

THE BULLETIN

UNIVERSITY OF TORONTO

MARCH 27, 2007 • 60TH YEAR • NUMBER 15

U of T Reaps Research Awards Bonanza

By Ailsa Ferguson

U OF T CAME UP ACES IN THE research prize sweepstakes recently, garnering the Herzberg Medal, a Killam Prize, three of the six Steacie Fellowships and a Killam Fellowship.

University Professor Richard Bond of astronomy and astrophysics, one of the world's leading cosmologists, led the way as the winner of both the 2006 Gerhard Herzberg Canada Gold Medal for Science and Engineering and a Killam Prize for career achievement.

"Winning the Killam prize was a total shock to me and obviously a great honour," said Bond. "To win both the Killam Prize and the Herzberg Gold Medal in the same year proves that this really is the year of the cosmic microwave

background in that three other major awards given to other researchers, including the Nobel Prize this year, were for this area. I guess the big bang is here to stay."

The Herzberg Canada Medal, named for Canadian Nobel laureate Gerhard Herzberg, is widely recognized as this country's most prestigious science prize. Bond was honoured by NSERC March 19 at a ceremony in Ottawa where the Steacie Fellowship winners — Professors Eckhard Meinenken of mathematics, Gregory Scholes of chemistry and Aephraim Steinberg of physics — also received their awards. In addition to the medal, Bond will also receive a monetary award.

"It was a great privilege to

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PRESIDENT LAUDS AWARDEES

"WHAT AN AMAZING TWO WEEKS FOR THE FACULTY AT U OF T! THERE'S BEEN A staggering array of prizes and awards across all divisions of the university and at our partner research hospitals. Six emerging superstars in arts and science won three Steacie Fellowships, two Sloan Fellowships and a Killam Fellowship. Seven colleagues from engineering formed a fabulous team to win the 2007 Alan Blizzard Award for collaboration in teaching, and the team's sparkplug, Susan McCahan, captured a prestigious individual 3M teaching award. Then Dick Bond caps it all off with the double crown for career achievement — the Herzberg Gold Canada Medal and a Killam Prize. We have a great professoriate and, ultimately, that is what draws great students here and secures the worldwide reputation of this wonderful place."

Engineering's McCahan: Toronto's Best Teacher

By Kate Brand

PROFESSOR SUSAN MCCAHAN OF mechanical and industrial engineering and chair, first year for the Faculty of Applied Science and Engineering, is the recipient of one of this year's 3M Teaching Fellowships.

The 3M Fellowship is widely regarded as the top teaching award in the country; it recognizes teaching excellence and educational leadership. McCahan's award is the first 3M Fellowship for U of T's engineering faculty.

"Professor McCahan's breadth of contributions and accomplishments, the impact of her innovative teaching and her leadership in education pedagogy for future engineers speak to the very

qualities that this award recognizes," said Professor Cristina Amon, dean of the Faculty of Applied Science and Engineering.

McCahan began her teaching career at the University of Toronto in January 1993. After teaching her first course, she received the highest teaching ability rating from the student course evaluations for any mechanical engineering course.

"I love to teach. I love being in the classroom having a dialogue with the students," McCahan said. "I want each of the students in my classroom to feel that they are being heard and that I am carrying on this dialogue directly with them."

As one of the leaders in the

— See 3M Page 4 —

MOVING TOWARDS CHANGE



As part of the tri-campus Sounds of Change event urging an end to racial discrimination, Quaison Nangle (left) and Meta Antolin demonstrate the Brazilian martial art of Capoeira at the Faculty of Physical Education and Health on March 21.

Transformation Agenda Will Change Nursing Education

By Elizabeth Monier-Williams

TORONTO FINANCIER LAWRENCE Bloomberg has made history by securing \$10-million for the Faculty of Nursing at the University of Toronto, the largest-ever single private investment in a Canadian nursing faculty.

His generosity creates the University of Toronto's Lawrence Bloomberg Faculty of Nursing, Canada's first named nursing faculty. The funds also establish the faculty's Transformation Agenda, a

five-part strategy that will change the face of Canadian nursing education by expanding student scholarships, funding innovative curriculum development, recruiting leading scholars and investing in continuing nursing education.

Nursing students will benefit directly from \$4 million endowed to create 50 scholarships, known as the Schulich scholarships, named in honour of Seymour Schulich.

Twenty-five will be earmarked for undergraduates and 25 for graduate students, tripling the faculty's award funding and helping to recruit the country's best nursing students. The Transformation Agenda boosts faculty recruitment initiatives by creating 20 international visiting professorships and international post-doctoral fellowships over a 10-year period. Leading and emerging scholars will be invited to work with U of T's faculty,

opening doors to new international research collaborations.

Research at the faculty will also benefit. Four professorships will be created, each lasting for five years. These positions will allow the faculty to recruit experts in particular clinical areas — such as diabetes or pain management, oncology, genetics or public health — building on its research strengths.

"Historically, it's been a challenge to secure funding for nursing research in clinical practice that directly affects grassroots patient care," said Dean Siobhan Nelson. "Mr. Bloomberg wishes to support the work of front-line nurses. These professorships will encourage new expertise, ensuring that future nursing graduates enter clinical settings aware of how the latest research impacts the care they provide and changes the way that tomorrow's nurses care for patients."

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STUDENT EXPERIENCE NURSING

more on pages 12-13



Lawrence Bloomberg

IN BRIEF



PRESIDENT HAS NEW SPECIAL ADVISER

ANTHONY GRAY, FORMERLY U OF T'S JUDICIAL AFFAIRS OFFICER AND CHIEF returning officer, has been appointed to the position of special adviser to President David Naylor. The position was previously held by Chris Cunningham, who retired in early 2007. Gray starts his new position April 16. As special adviser to the president, Gray's key areas of responsibility are to provide support for various administrative committees, task forces and special projects, to conduct advocacy and policy research and to enhance communication involving the president's office. In addition, Gray will facilitate efforts by the president's office to liaise more effectively with student groups and to achieve closer engagement on issues relevant to the student experience. "I'm thrilled with the opportunity to support the president's office," said Gray. "It's especially exciting at this time when there's a renewed sense of purpose at the University of Toronto and such a strong focus on improving both the academic experience and the wider student experience." Gray earned his BA in philosophy from U of T in 1991 and received his PhD from the Massachusetts Institute of Technology in 2001. After completing his doctoral work, Gray held a variety of student-life positions at MIT, working in both the undergraduate and graduate housing offices and as project manager for student life programs. "All of us in the president's office are looking forward to working with Dr. Gray," said Naylor. "Since returning to his alma mater two years ago, Tony has earned the respect of many members of our academic community and he is uniquely qualified to contribute on multiple fronts in this new role."

INTERNATIONAL STRATEGIC OPPORTUNITIES

THE MINISTRY OF RESEARCH AND INNOVATION HAS ANNOUNCED THE LAUNCH of the International Strategic Opportunities program, providing funding for strategic international collaborations between Ontario research institutions and the global research community. The five-year program will provide successful applicants with up to \$150,000 in funding over three years for new strategic international collaborations. The funding is not intended to fund research activities but to build and manage early-stage research partnerships and co-ordinate the management of research grant proposals and international workshops. For further information about the program, please refer to the ministry's website at www.mri.gov.on.ca/english/programs/ISO/program.asp. Please address any questions to MayLiza Baak of the government research infrastructure programs office (in.baak@utoronto.ca).

ANTHROPOLOGY SEEKS CONSOLIDATION

WORK COULD BE UNDERWAY SOON TO TURN 19 RUSSELL ST. INTO ANTHROPOLOGY'S new home. At its March 29 meeting, Governing Council will consider a proposal that would see anthropology faculty and staff, currently dispersed among 10 locations on the St. George campus, move into a refurbished building at 19 Russell St. Pending approval by Governing Council, work on the \$9.7-million retrofit project will start this spring, enabling the first group of anthropology faculty and staff to move into the facility in the fall of 2007. Work on the department's new premises is expected to be completed in January 2008.

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AWARDS & HONOURS



FACULTY OF APPLIED SCIENCE & ENGINEERING

A TEACHING TEAM AT ENGINEERING IS THE RECIPIENT OF the 2007 Alan Blizard Award for collaboration in teaching. The team — Professor Susan McCahan of mechanical and industrial engineering and chair of first year, Philip Anderson, a senior lecturer in electrical and computer engineering, Professor Robert Andrews of civil engineering, Professor Mark Kortschot of chemical engineering and applied chemistry, Sandy Romas, administrative assistance for the faculty, Peter Weiss, a senior lecturer in the engineering communication program, and Professor Kimberly Woodhouse of chemical engineering and applied chemistry — won the award for leading the full implementation of a mandatory first-year engineering class, Engineering Strategies and Practices. This is the first team from U of T to receive the award, sponsored by the Society for Teaching and Learning in Higher Education and McGraw-Hill Ryerson.

FACULTY OF ARTS & SCIENCE

PROFESSOR EMERITUS PAULETTE COLLET OF FRENCH AT St. Michaels College has been named Chevalier dans l'Ordre des Palmes Académiques by the French minister of education. Collet was invested into the order for her considerable contributions to French literature and theatre Feb. 21 by Philippe Delacroix, consul general of France in Toronto. The Palmes Académiques was created on March 17, 1808, by Napoleon Bonaparte as awards for devotion and accomplishment in the areas of teaching scholarship and research. In 1955 the Palmes Académiques was officially raised to the status of a ministerial order and three ranks were created: Commandeur, Officer and Chevalier.

FACULTY OF LAW

UNIVERSITY PROFESSOR MICHAEL TRIBULOCK IS ONE OF this year's recipients of the David W. Mundell Medal for excellence in legal writing. Announced Feb. 6, the medal is presented annually by the attorney general of Ontario to an Ontario writer on legal or professional matters who has made a distinguished contribution to law. The medal was established in 1986 to honour the late David Mundell, a pre-eminent constitutional lawyer and for many years counsel in the Ministry of the Attorney General.

FACULTY OF MEDICINE

PROFESSOR ROBERT JOSSE OF MEDICINE IS THE RECIPIENT of the American College of Endocrinology's 2007 Distinction in Clinical Endocrinology Award, the first Canadian to receive the award. The award honours a clinical endocrinologist who is recognized by his or her peers as having achieved distinction in the field of clinical endocrinology and has a sustained record of commitment to teaching the art and science of clinical endocrinology. Josse will receive the award during the American Association of Clinical Endocrinologists-American College of Endocrinology's annual meeting April 11 to 15 in Seattle, Wash.

PROFESSOR BRUCE POLLOCK OF PSYCHIATRY HAS BEEN elected president-elect of the American Association for Geriatric Psychiatry (AAGP). He serves as president-elect for a year beginning in March at the conclusion of the association's annual meeting in New Orleans

March 1 to 4, becoming president next March for one year; he is the first Canadian to be elected to the position. Founded in 1978, AAGP is dedicated to promoting the mental health and well-being of older people and improving the care of those with late-life mental disorders.

PROFESSOR EMERITUS PAUL WALFISH OF MEDICINE HAS been selected to receive this year's Canadian Medical Association (CMA) Medal of Service for his considerable contributions to the advancement of the science of medicine best exemplified through his leadership and contributions to the study of thyroid disease. Walfish will receive the award Aug. 22 during the annual CMA meeting in Vancouver.

U OF T AT MISSISSAUGA

PROFESSOR EMERITUS DAVID DONLOP OF CHEMICAL AND physical sciences and physics at the St. George campus is the winner of the 2007 Medal for Lifetime Achievement in Physics of the Canadian Association of Physicists (CAP), awarded by the association on the basis of distinguished service to physics over an extended period of time and/or recent outstanding achievement. Introduced in 1956, the award is not limited to members of CAP but the recipient must have spent the major part of his or her working career in Canada.

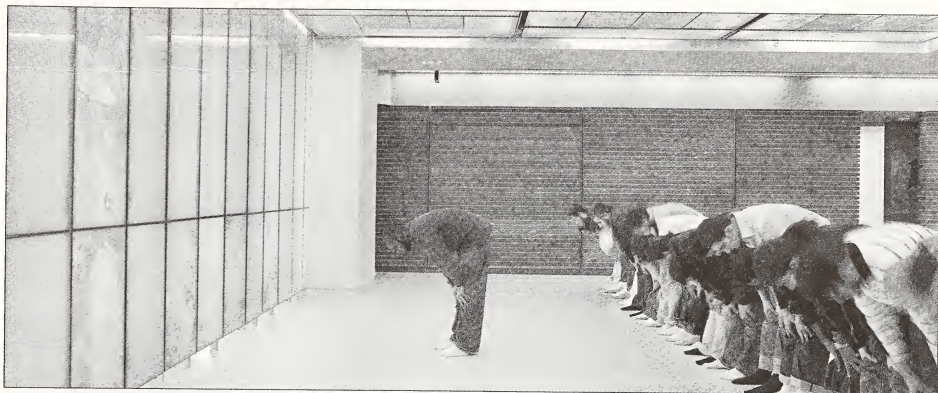
PROFESSOR ROBERT REISZ OF BIOLOGY IS AMONG the 449 members of the American Association for the Advancement of Science to be inducted as a fellow, an honour recognizing scientifically or socially distinguished efforts to advance science and its application. Cited for more than 35 years of research excellence, Reisz has discovered the oldest known dinosaur embryos and the oldest known reptile that stands on two legs. The new fellows were inducted Feb. 17 at the Fellows Forum during the AAAS annual meeting in San Francisco, Calif. Reisz is also a winner of a Alexander von Humboldt Foundation Humboldt Research Award, recognizing lifetime achievements in research. Awardees are invited to conduct an original research project in close collaboration with a colleague in Germany over a period of six to 12 months. The award amounts to 60,000 euros.

OSIE/UT

PROFESSOR NORMAND LABRIE OF CURRICULUM, TEACHING and learning and associate dean (research and graduate studies) has been awarded l'Ordre de la Pléiade for 2007 by the Parliamentary Assembly of the Francophonie, an honour recognizing the accomplishments of women and men for their significant contribution to the development of the Francophonie. The assembly was created in 1967 at Luxembourg and consists of 73 sections grouped into four regions: Africa, Asia-Pacific, the Americas and Europe. In addition to promoting the French language and mutual understanding among French-speaking peoples, it is active in the promotion of democracy, the rule of law and human rights. Labrie will receive the order April 4 at a ceremony at the Ontario Legislative Assembly Building.

COMPILED BY AILSA FERGUSON





Student Shuaib Ally leads a group in prayer in the university's new Multifaith Centre for Spiritual Study and Practice.

Multifaith Centre: More Than a Place of Worship

By Michak Rynor

WITH TORONTO BECOMING increasingly diverse, the need for a multifaith centre on campus became apparent to people across the university.

After much planning, the U of T Multifaith Centre for Spiritual Study and Practice in the Koffler Institute (formerly the Koffler Institute of Pharmacy Management) at 569 Spadina Ave. officially opened its doors March 25.

The mandate and goals of the two-floor centre include providing space for prayer, worship and meditation; offering space for group activities related to spiritual growth and development; establishing an

environment conducive to understanding the diversity of faith and religion in our community and, more broadly, in the global world; and communicating and teaching the skills necessary for people of diverse faiths to live and work together in peace and justice.

Historically, the prayer spaces that exist on campus, such as those at St. Michael's, Trinity and Victoria colleges, all relate to the activities and denominations that existed prior to the formation of U of T, said Susan Addario, director of student affairs and a long-time advocate for a multifaith centre. Many students, Addario said, didn't see their identities reflected in the churches and chapels on campus.

"Considering the university draws 75 per cent of its student population from the Greater Toronto Area, a centre recognized as one of the most ethnically diverse places in the world, we can't welcome this highly diverse population while at the same time saying we aren't interested in their spirituality or faith."

The centre contains a large meeting space that can be transformed into prayer and lecture areas; a meditation room containing a "living wall" of air-cleansing and mind-soothing plants; a fully functioning kitchen and dining room; both male and female cleansing rooms for ablutions; and a storage area for religious tools and iconography

such as Buddhist scrolls, Christian crosses, Jewish Torahs and sweet grass for First Nations ceremonies.

The centre is already receiving accolades from students, staff and faculty.

Marian Alkaber, a third-year human biology and chemistry student who belongs to the university's Thaqalayn Muslim Association, said, "Finally there is a space within the university where we can feel comfortable and practice our religion and it's good to have a place where all different faiths can bond."

This is a much-needed initiative because it represents U of T promoting dialogue among different religions on campus, noted Adam Lalonde, a third-year medieval studies and Christianity and culture student at St. Michael's College.

"It's such a diverse campus and we see at other universities across Canada a push towards secularism whereas this represents U of T's philosophy of encouraging peace and dialogue between various religions that co-exist on campus."

Juno Judge Feels the Beat

By Ilana Adamo

WHEN THE JUNO AWARDS ARE broadcast April 1, the University of Toronto will be in on the action, thanks to Zoe Dille, a member of the judging panel.

Dille, Hart House's music and special events program adviser, received a phone call earlier in the year asking if she would be willing to judge the world music category for the 2007 Juno Awards.

"I was pleased to be considered as an adjudicator," said Dille. "It indicates that someone thought I

had enough body of knowledge to perform this important job well. It's our country's highest musical honour so I was excited to be a part of that process."

When asked about how the offer came about, Dille modestly replied she didn't know why she was chosen. However, the six years Dille spent working with artists at the Harbourfront Centre and the CNE and with international groups such as Umjoka made it clear that she's the right choice for such a panel. Experience with the Worlds of Music Toronto, an organization that provides workshops in culture-specific music, also provides excellent exposure to music from around the globe.

Dille judged 50 artists and was asked to choose her five favourites. The only guideline she was given was that she wasn't to judge the artist based on her own personal perception of whether a specific artist was placed in the correct category.

"There weren't any specific criteria that were explicitly spelled

out for judges," Dille explained. "I think there is an assumption that you can make critical decisions based on your involvement in arts and entertainment. I think they rely on your knowledge, your ear and your understanding of the genre of music to make informed decisions about the submissions you are listening to."

Of particular importance to judging is the artist's career development and musical background, she noted. Interestingly, out of Dille's top five choices, three or four were unanimous choices, even though all the judges remained anonymous to one another.

Music is part of Dille's life on the job as well as after work. She moderates Hart House's music committee, a group of enthusiastic students and staff interested in bringing great music to U of T. In addition, she produces and organizes live musical events at the Arbor Room.

Ilana Adamo is a fourth-year English and psychology student.

UTM Athlete Scores at Canada Winter Games

By W.D. Lighthall

U OF T'S ALANA THOMAS SKIED her way to two medal-winning performances and two additional top-five finishes at the Canada Winter Games, recently held in Whitehorse, Yukon.

A member of the Ontario team, the University of Toronto Mississauga student earned a bronze medal in the women's 10-kilometre cross-country ski race. The next day she bettered that performance with a silver medal as a member of the relay team competing in the women's 4 x 3.75-kilometre race.

Earlier at the games, Thomas placed fourth — out of a field of 50 racers — in the 7.5-kilometre race and finished fifth in the sprint-racing finals.

Her bronze medal performance came in a hard-fought race with a thrilling, down-to-the-wire finish. "Going around that last corner into the finishing stretch I was able to squeeze in front of the person in fourth and go like crazy to hold third and see if I could catch first or second," Thomas said. Three seconds separated the

top three finishers in the race and the top six skiers finished within eight seconds of each other. "She just poured it on at the very end; it was a razor's-edge kind of finish," said David Wright, coach of the Varsity Blues mountain-biking team. (Thomas, a two-sport athlete, competes for both the Varsity Blues Nordic ski team and the mountain-biking team.)

The bronze medal was Thomas' first podium finish at a national competition. It was a sweet victory for the 18-year-old who has placed fourth or fifth at major competitions on other occasions. "That's close but it's not quite the podium, and so this is the first time I've received a medal at a big national competition. So that was really exciting for me," she said.

Thomas was selected to be the flag bearer for the Ontario team at the closing ceremonies of the 2007 Canada Winter Games. Her goal is to continue to develop as a competitive skier. She hopes to represent Canada at international competitions one day and to compete in the World University Championships.



Hart House's Zoe Dille

U of T Reaps Research Awards Bonanza

—Continued From Page 1—

attend the NSERC celebration in the presence of our distinguished Herzig medalist and our three Steacie Fellows," said President David Naylor.

The Killam Prizes, announced March 27, were inaugurated in 1981 through funds donated to the Canada Council of the Arts by Dorothy Killam in memory of her husband, Isaak, in order to cele-

brated leading cosmologists. For more than 25 years, his research has provided important insights into the deep questions science poses about the origin, history and nature of the universe. By analysing cosmic microwave background radiation — the oldest light energy that any telescope can detect — he has found ways to sketch details of the events just after the big bang that gave the universe its current structure.

His research has helped write the modern story of "neogenesis" through a deft combination of theoretical and experimental work. He has explored the origin of large-scale structure in the universe, with special attention to dark matter and dark energy, major components of the universe that have not yet been observed directly but can be detected by their gravitational influence. Over the years he has helped develop cosmology into an increasingly precise science for mapping the size, shape and age of the universe.

As director of the CITA from 1996 to 2006 Bond promoted its mandate to a pan-Canadian approach to world-class science. Now director of Canadian Institute for Advanced Research (CIAR) cosmology and gravity program, he is one of the co-investigators on the European Space Agency's billion dollar Planck satellite, scheduled for launch in mid-2008. It will map

the full cosmic microwave background (CMB) sky in nine frequencies at high angular resolution.

As well he is part of an international effort working on a Spider balloon-borne telescope, scheduled to be launched in late 2009 with the goal of detecting the influence of gravitational waves from the early universe on the polarization of the CMB. He is also part of the team of the Atacama Cosmology telescope in Chile that will probe protoclusters and clusters in the nonlinear cosmic web to an even higher resolution than Planck. Both Planck and Spider have significant Canadian Space Agency involvement.

As winners of the Steacie fellowship, Meinenken, Scholes and Steinberg will be relieved of their teaching and administrative duties so they can devote all their time and energy to research for a two-year period. Magnusson, the Killam fellowship awardee, will also have the opportunity to devote two years full-time to research and writing.

The quartet's research focuses on diverse but equally fascinating topics. The boundary between theoretical physics and pure mathematics, a mysterious frontier for most, is territory that Meinenken navigates with ease. He has earned a reputation in the mathematics community as a creative thinker who successfully tackles seemingly

insoluble problems.

Scholes has spent his whole career studying how light initiates physical processes at the molecular scale and thinking about how to help humans take better advantage of this fact. His diverse research program spans physics, physical chemistry, materials chemistry and biology. His discoveries have led not only to an increased understanding of how molecules react to light but to a wide range of applications including a potential source of new materials for use in semiconductors and other devices.

Scientists have probed the intricacies of quantum mechanics for a century without discovering its limits. Only recently has technology become sophisticated enough to attempt direct observations, manipulations of subatomic particles and measurements of quantum phenomena and Steinberg is at the cutting edge of those efforts. His work to date includes a number of seminal developments that have earned him numerous accolades from his peers.

Magnusson plans to use her Killam fellowship to write a book on the English letter from 1535 to 1635, developing a range of reading strategies for close analysis of early modern letters and networks of correspondence.

With files from Michah Rynor

3M Fellowship Winner

—Continued From Page 1—

creation and implementation of a new first-year engineering design and communication course, Engineering Strategies and Practice (ESP), McCahan co-ordinated the course from pilot to full scale implementation. This involved finding, scoping and



Professor Susan McCahan

tracking more than 100 design projects for students and co-ordinating more than 30 teaching assistants. The outcome has been a unique experience for engineering students that is unparalleled anywhere else in the country.

"From co-ordinating ESP I have gained an understanding of myself as a creative teacher," McCahan said. "One of the things I bring into the classroom is a creative interpretation of the content, a different perspective, to help the students learn."

After only six years into her academic career, McCahan received the Faculty Teaching Award — the highest recognition in the Faculty of Applied Science and Engineering for teaching excellence. More recently, McCahan was named a fellow of the American Association for the Advancement of Science, the largest worldwide scientific society, for her distinguished contributions and innovations to the education of the next generation of engineers and scientists.

Earlier this month, McCahan's team also received the Alan Blizzard Award in recognition of excellence in collaborative teaching for leading the implementation of the ESP course.

The 3M National Teaching Fellowship is sponsored by 3M Canada Company and the Society for Teaching and Learning in Higher Education (STLHE). The award includes a lifetime membership in STLHE, a citation and an invitation to participate in a three-day retreat to share teaching experiences and discuss new ideas. The 3M Fellowship will be presented to McCahan June 14 at the STLHE annual conference in Alberta.



Professor Richard Bond

brate eminent Canadian scholars and scientists actively engaged in research whether in industry, government agencies or universities. Bond is the honoree in the natural sciences category and will receive a \$100,000 prize. In addition, Professor Lynne Magnusson of English earned one of 10 Killam Research Fellowships.

Bond is renowned as one of the

Join us May 9 and you'll be in excellent company.

The Awards of Excellence will honour the University of Toronto's great achievers on Wednesday, May 9, 2007.

We invite you to join your friends and colleagues for the ceremony in the Great Hall at Hart House.

Award Ceremony: 5:30 p.m. Reception: 6:30 p.m.

CHANCELLOR'S AWARD

Debra A. Bilinski
Office of Research Services, Office of the Vice-President, Research and Associate Provost

Rebecca Spagnolo
Graduate House
School of Graduate Studies

JOAN E. FOLEY QUALITY OF STUDENT EXPERIENCE AWARD

Professor John Baird
Department of English
Faculty of Arts and Science

LUDWIK AND ESTELLE JUS MEMORIAL HUMAN RIGHTS PRIZE

Professor Catherine Chalin
Department of Public Health Sciences
Faculty of Medicine

FACULTY AWARD

Professor Yu-Ling Cheng
Department of Chemical Engineering and Applied Chemistry, Faculty of Applied Science and Engineering

CAROLYN TUOHY IMPACT ON PUBLIC POLICY AWARD

Professor David Cameron
Department of Political Science
Faculty of Arts and Science

NORTHROP FRYE AWARD

Professor Robert Brym
Department of Sociology
Faculty of Arts and Science

Interfaculty Pain Curriculum
University of Toronto Centre for the Study of Pain, Faculties of Dentistry, Medicine, Nursing, Pharmacy, and Physical Therapy and Occupational Therapy

JOHN H. MOSS SCHOLARSHIP SCHOLAR

Matto Mildenberger
International Relations Program and Department of Botany, Trinity College

FINALISTS

Shahmeer Ansari
Commerce Program, Victoria College

David Andrew Kim
Program in Neuroscience and Peace and Conflict Studies Program, Victoria College

Jeff Rybak
Department of Humanities
University of Toronto at Scarborough

Leah Stokes
Department of Psychology
and East Asian Studies, Trinity College

Fiona Taylor
Departments of Biochemistry, Human Biology and Economics, Trinity College

ADEL S. SEDRA DISTINGUISHED GRADUATE AWARD

SCHOLARS
Krista Boa
Faculty of Information Studies

Christine Victoria Ichim
Department of Biophysics
Faculty of Medicine

FINALISTS

Kerry Kulski
Department of Health Policy Management and Evaluation
Faculty of Medicine

Nicholas Matte
Department of History,
Institute for Women and Gender Studies
Faculty of Arts and Science

Oliver Sorin
Department of French

JON S. DELL'ANDREA AWARD FOR INTERNATIONAL STUDENTS

SCHOLARS
Matthew McGeachy
Departments of History and Philosophy
Victoria College

Shi (Reynold) Xin
Department of Engineering Science
Faculty of Applied Science and Engineering

FINALISTS

Kerolyn K. Shairsingh
Department of Chemical Engineering and Applied Chemistry
Faculty of Applied Science and Engineering

Christian Thorne
Department of History
Trinity College

Paleontologist Makes No Bones About Passion for Fossils

By Carla DeMarco

A STRANGE THING HAPPENED when Professor Robert Reisz attempted to earn a degree in physics in the mid-1960s. "I hated it," Reisz said, cringing. "In high school physics was really fascinating, but in university it was just awful and dull."

As a result, Reisz felt uncertain about what educational direction to pursue. After taking various courses at McGill, his curiosity was piqued by a course being offered on fossils. "I took it and just loved it and that was it," Reisz said.

He completed his studies at McGill and worked at University of California at Los Angeles for a year before accepting a faculty position at the University of Toronto

Mississauga in 1975. Today he is chair of the biology department, a world-renowned vertebrate paleontologist and this year's recipient of a prestigious Alexander von Humboldt Research Award.

Focusing mainly on extinct vertebrates in his research, Reisz is particularly interested in the evolutionary consequences of the amniotic egg, which originated 315 million years ago. "The amniotic egg has a large amount of yolk and a series of structures called extra-embryonic membranes," Reisz explained. "This innovation allowed animals to lay relatively few eggs and invest a lot of energy in those eggs and allowed them to separate themselves completely from reproduction in the water."

Reisz said that animals did come onto land prior to this time but had to go back into the water to reproduce. However, with the advent of the amniotic egg, they were able to become fully terrestrial. Reisz is fascinated by this time period because of the great expansion of terrestrial vertebrate life that is superbly reflected in the fossil record.

Reisz and his research team attempt to piece together a clearer picture of what these animals looked like, how they behaved, who their relatives and descendants are and reconstruct their evolutionary history. Reisz pointed out that 310-305 million years ago all the terrestrial vertebrate life was on one large supercontinent called Pangaea and that the fossils of animals have been found along the equator, which extended from New Mexico, Texas, Nova Scotia, England and central Europe. At this time there was also a huge ice age that covered most of the southern part of the supercontinent, freezing up South America, Africa, India and Antarctica, but when the ice age ended the fauna appear to have spread everywhere.

"So I'm going all over the world looking for these fossils," said Reisz. "I have studied material from North America, Europe, Russia, South Africa and I'm currently working on material from India."

As part of the Humboldt Research Award, which annually

honours internationally recognized scientists and scholars from abroad for career-long achievements in research and teaching, Reisz will be given the opportunity to pursue a research project of his own design in Germany. He has chosen to study the origin of turtles and his work will be carried out at the Stuttgart Museum of Natural History.

Having started out without a clear direction, Reisz has managed to carve out a life's work that has proven to be inspiring, rewarding and even pleasurable for him. He considers his research to be a career-long approach to vertebrate paleontology and he is always looking forward to the next project and the discoveries that might be



Professor Robert Reisz

"We're going to actually look at the oldest turtles with some modern techniques and devices, such as CAT scans and laser scanning," explained Reisz.

unearthed. "It's a mystery, it's observational science," Reisz said. "But then you put it together to present a cool story — and that's where the fun is."

Antarctic Ice Yields Student Research Discovery

By W.D. Lighthall

WHILE RESEARCHING THE "bottom of the world," Jeffrey Geddes made a discovery about sea ice formation that has the potential to provide scientists with another piece of the climate-change puzzle.

As part of a research project on the St. George campus last summer, Geddes, an undergraduate science student, was analysing data supplied by a NASA satellite when he detected a previously unknown multi-year ice formation cycle in Antarctica's Cosmonaut Sea. Climate scientists and researchers study sea ice and its formation patterns in the polar regions because sea ice, or the lack of it, affects local climates and potentially impacts the global weather system. Geddes determined that large bodies of water surrounded by ice on three sides — known as embayments — tend to occur every three years in the Cosmonaut Sea.

"Our discovery that embayments occur approximately every three years at the same time in the same place seems to indicate there may be some inherent predictability in the variability of sea ice in that region," said Geddes, now a fourth-year student at the University of Toronto Mississauga.

Working in the lab of Professor Kent Moore, chair of the chemical and physical sciences, Geddes studied NASA data on sea ice formations in the Cosmonaut Sea from 1979 to 2004. He found that while the volume of sea ice might change from year to year embayments and polynyas (embayments

after they become enclosed on all four sides by the ice pack) reappear at regular three-year intervals in the same areas.

Moore supervised Geddes' project, which was funded by a grant from the Natural Sciences and Engineering Research Council of Canada, and said studying the formation of sea ice is important because in Antarctic waters ice serves as an insulator that traps heat in the ocean. When large open stretches of water occur during the austral winter, there's no insulation and heat from the ocean can transfer to the atmosphere.

"The climate system is clearly under stress right now but we don't understand all the variables," Moore said, adding that Geddes' contribution has been to "place another piece into the puzzle. We now understand that in this part of the world, there are processes going on related to this repeating variation of sea-ice cover."

Geddes has published an article he wrote on his findings in a recent edition of *Geophysical Research Letters*, a leading journal of the geophysical sciences. Moore noted that Geddes' paper has received positive reviews for its insights about sea-ice formation in the Cosmonaut Sea. He also noted Geddes accomplished the work and wrote his paper while an undergraduate.

"Generally, writing scientific papers is quite a challenge for most people. He wrote the paper, he produced everything and for an undergraduate to do that, I think, is a singular accomplishment," Moore said.

New Brake Light System Could Mean Fewer Collisions

By Sonnet L'Abbe

A DYNAMIC BRAKE LIGHT SYSTEM that enables rear lights on a leading vehicle to contract or expand during hard braking could help lessen how often rear-end automobile collisions occur, says new research from the University of Toronto.

Zhonghai Li, a post-doctoral student, and Professor Paul Milgram of mechanical and industrial engineering worked with the fact that drivers perceive the time separation between themselves and a vehicle they are following based on the size of image of the leading vehicle on the driver's retina. They hypothesized that if it were possible to exaggerate how quickly the retinal image expanded, drivers might brake sooner in potential crash situations. A preliminary study using a driving simulator confirmed

that they did. The next challenge was to find an application for this knowledge.

"In the real world, we can't manipulate the retinal images of cars," said Milgram. "But we thought we could change the image of taillights. We guessed that if we could make a taillight system that appeared to change in size, it might have a significant effect on braking behaviour."

Milgram and Li investigated their concept by using a low-fidelity driving simulator to test the reactions of 40 young male participants to driving scenarios under various visibility conditions. A roadway was projected onto a large screen and participants used a standard game controller steering wheel and brake pedal to respond to the brake lights of a leading vehicle.

Li and Milgram manipulated optical looming cues of the lead vehicle — that is, the rear

window and right and left taillights, which sit in a triangular formation — so they would imperceptibly expand and separate in response to the distance between and relative velocity of the two vehicles. In nighttime driving conditions where drivers rely heavily on brake light cues to gauge their distance from other vehicles, drivers showed a clear response to the illusion of the leading car nearing more quickly.

"We got people to brake 100 to 300 milliseconds sooner," said Milgram, who emphasizes that while the inter-vehicle separation sensing technology required to create such a braking system does exist, much more development and testing is necessary before implementation. "That fraction of time may seem small but given the millions of braking events every day, the difference could mean thousands of averted crashes per year."

Retired Professor Stays on as Teaching Mentor

By W.D. Lighthall

ALTHOUGH DAVID JAMES RETIRED FROM teaching almost two years ago, he's still attending classes.

James, a professor emeritus in mechanical and industrial engineering with almost 40 years of pedagogical experience, has carved out a unique role for himself as a teaching mentor to early- and mid-career engineering instructors and professors at U of T.

"I guess I'm a teacher of teachers. My mandate is to help professors in our department become better teachers," James said.

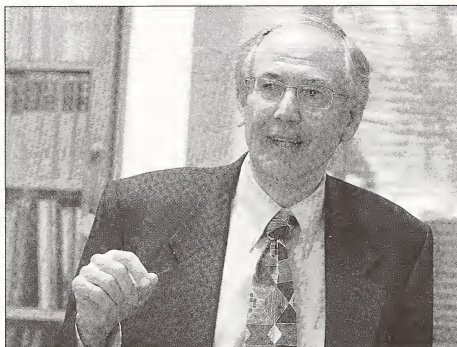
A couple of years prior to retiring, James was asked by department chair Professor Tony Sinclair if he would put his experience to work helping professors and instructors who were interested in improving their teaching. By the time James retired in the summer of 2005, Sinclair had seen the positive impact James' work with younger teachers was having and asked him to stay on after retirement to serve the department as a teaching mentor.

"Some instructors, especially those still in the early stages of their career, struggle a bit. Some just need a bit of advice and guidance as to how to get things going," Sinclair said.

There is no requirement for the department's professors and instructors to use James' services; it's a voluntary arrangement between James and the teachers and his observations and notes are confidential. His work is not used in any situation involving professional evaluation or advancement.

Once James starts working with a professor or instructor, he attends a number of their lectures and classes, taking notes and discussing the session with the instructor afterwards.

"In a sense I'm like the sports coach who watches the



Professor David James of mechanical and industrial engineering

game closely and afterward reviews with the players their performance," said James, recipient of his faculty's inaugural Faculty Teaching Award in 1983-84. "We talk about what went well and what could be done differently — all with a view to improving the teaching. My notes include everything that happens in the classroom — before, during and after the lecture — because that all affects the instructor's relationship with the class."

James believes that one of the important cornerstones of successful teaching is developing the right relationship between instructor and class. Though the instructor does most of the talking, there should be room for dialogue.

Questions should be welcomed, not only because they may reveal material the students are having difficulty with but also because they provide an opportunity to make eye contact, to speak extemporaneously and to generally enhance the sense of engagement among the students.

"The instructor needs to understand that he or she is in a relationship with the class and that the factors which go into a good relationship — clear communication, honesty, timeliness, stated expectations and so on — must be paid attention to," James said.

One of the first things James does when working with a professor or instructor is take them to the last row of the lecture hall. "It's a very simple thing but almost everybody needs to learn to write larger and draw bigger diagrams," he said.

He offers other tips, too, such as ensuring you face the class when lecturing, avoid talking while writing on the blackboard (your back will be turned to part or all of the class, they probably can't hear you) and creating a short diversion point in the material every 20 minutes or so to rekindle audience interest.

Sinclair said that teachers who have worked with James have "markedly improved" and report that they feel more confident in their teaching. There's also been a corresponding improvement in their end-of-course student evaluations.

"Evaluations just started getting better for teachers who worked with Professor James, so we've got numerical data to show that it has really helped," Sinclair said. "The other interesting thing is that the students are quite impressed when they're told their professor wants to improve their teaching because we tell the students in the class what is going on."

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Students Build Bridges Between Chinese, Japanese Communities

By Hayley Morrison

BUILDING BRIDGES BETWEEN TWO great Asian nations, the University of Toronto's 2007 Sino-Japanese conference marked "a turning point in the relationship between China and Japan," said Derek Bin Li, co-president of the Sino-Japanese conference committee.

On March 9, the student-run committee presented a full day of speakers and roundtables to examine both the historical conflict and current relationship between China and Japan. The two nations have been at odds since the second Sino-Japanese war, a conflict over the Chinese mainland that lasted from 1937 to 1945.

"We wanted to give a long review of the conflict," said Derek Bin Li, co-president of the committee and a fourth-year international relations student. Added Ashleigh Au, the committee's marketing director, a fourth-year East Asian studies student, the committee "did not want to neglect the cultural exchange" that existed before the Sino-Japanese war.

**WE HAVE COME
TO A BETTER
UNDERSTANDING
WHY WE HAVE
DIFFERENT
PERCEPTIONS ABOUT
THE PAST**

While most of the attendees were graduate students, some faculty members and mature students also participated in the various seminars and lectures.

To promote mutual understanding and non-official dialogue between the two communities was no easy task for committee members. They approached Yu Chang of East Asian studies and Professor Joshua Fogel, Canada Research Chair in the History of Modern China at York University, to organize the conference sessions. Using their expertise, the committee constructed several roundtables debating issues of forbearance, justice and mutual understanding.

Offering personal accounts and engaging in intensive debate, students demonstrated how Sino-Japanese relations are not just

about the war but "a contemporary issue that has followed from the time of this conflict up to the present," Au said.

With a potpourri of individuals, the committee had to accommodate many different perspectives. About 80 per cent of the committee members were not Canadian born and were influenced by the Sino-Japanese war either directly through their grandparents or through the media.

Although it was difficult for students from Chinese and Japanese backgrounds to remain neutral and bias-free, given the emotion still associated with the topic, the committee worked "to make sure nobody was in the line of fire," Au said.

Given the sensitivity surrounding it, the committee was very careful when choosing its sponsors and speakers. Since the war has remained a politically charged topic, the committee decided an academic institution, such as U of T, would be an ideal setting to host the conference. Different from other social realms, said Weiqiao Zhang, a committee member and a third-year philosophy student, the university provided the conference with academic researchers searching for the truth, rather than politicians advancing their own interests.

In light of the conference the committee members have already noticed changes in relations between members in the two communities.

"We have come to a better understanding of why we have different perceptions about the past," said Zhang. Additionally, the conference has helped "people see each other as other people, instead of categorizing or 'villainizing' them," said Au. Moreover, with many different and personal perspectives brought to the table, Ashleigh believes the conference effectively "promoted a genuine understanding of Sino-Japanese relations."

Overall, the student organizers were pleased with the results. Along with an excellent turnout and thought-provoking speakers, "it was a very positive experience that I believe we will all cherish as an undergrad project to remember," Au said. In terms of any future collaborations between the two communities, she believes "there is definitely an intention to hold a similar event next year."

Hayley Morrison is a political science student at St. Michael's College.

Aboriginal Health Is New Elective

By W.D. Lighthall

IN THEORY, ACCESS TO HEALTH CARE IN CANADA is supposed to be universal and equal. Adrian Sacher and Alexandra Smith, both second-year medical students at U of T, know that sometimes there's a difference between theory and practice.

Aware that First Nations communities and Aboriginal Peoples face systemic disparities when it comes to accessing healthcare resources in Canada, Sacher and Smith resolved to do something about it.

Last fall they formed the Aboriginal Health Elective, a non-credit speaker series that brings experts to campus from First Nations communities, academia and the medical profession.

Targeting students in healthcare programs at U of T, the talks create awareness about healthcare issues facing First Nations communities. They also give students a chance to learn about the history, traditions and culture of First Nations groups.

"Aboriginal Canadians probably suffer the greatest disparities with access to healthcare resources in Canada and that's an issue not very well addressed by the medical profession," Sacher said. "The elective is our way of beginning to address that."

Smith, who is of Ojibwa and Algonquin ancestry, added, "The overall goal is that we, as future physicians and other healthcare providers, will be able to give better healthcare service to this patient group."

The elective organizers held an event March 26 featuring Lieutenant Governor James Bartleman,

himself of First Nations descent, who has devoted considerable effort to fighting discrimination and promoting literacy and other programs helping First Nations communities. The evening also featured Professor Cornelia Wieman of psychiatry, one of the first Aboriginal women in Canada to become a psychiatrist.

Speakers such as Bartleman and Wieman "help advance our cause and make people on campus aware of Aboriginal health and mental health issues and aware of what we're trying to do about them," Smith said.

Equally important to the organizers is raising the

awareness among medical students about First Nations history and cultural traditions. At one talk, Professor Cynthia Wesley-Esquimaux of Aboriginal studies spoke about the injustices of the old residential school system and other government assimilation policies that proved harmful to First Nations communities.

Smith said while some people at the talk knew this part of Canadian history, others did not. "It shocked a lot of people and out of that



Medical students Alexandra Smith and Adrian Sacher

students start to get what we're doing a little more, to understand the problem and to want to help. And they want to learn more," she said.

Since the elective was launched last fall, attendance has been averaging about 20 students per event. Smith and Sacher hope they can eventually expand the program to include a community-outreach component.

"In a way, what we're doing is providing a framework for how to interact as physicians with other groups facing disparities in health care," Smith said.

Online Services Save Staff Time

By Michal Rynor

IF THERE'S ONE KEY MESSAGE Graham Kemp, director, administrative management systems (AMS), would like to get out to the university community, it's this: the future is now when it comes to information technology (IT) services and people on campus should be embracing them as part of their daily routine.

Kemp's department is responsible for the university's online administrative management systems such as those for human resources, payroll and financial systems. They also create information warehouses and manage a web content management system for many departments including nursing and continuing studies.

"We're really excited about the services we now offer staff, faculty and to a lesser degree, students, through the web, so our challenge now is to let people know how we can help them," Kemp said.

Not all faculty know about My Research Online, which gives researchers a view into their

financial statements, records and the other business aspects of their projects, Kemp said. "Now they don't have to ask a business officer to spend days preparing reports for them because the information is available to them online."

Employee Self-Serve is another web application that lets staff members look at their pay statement or T4 information online and change home addresses or banking information. They can also look up their human resources profiles to verify the profiles are correct. Other web services available include online expense reimbursements, telephone service orders and facilities and service orders.

One of the problems in getting people to use these new online tools said Cathy Eberts, AMS associate director, is the recent bad press computer transactions have received with regard to identity theft and credit card crimes.

"People need to know that to use this system you have to have your confidential ID and password, and to further ensure the

privacy of your information, we have implemented a number of security layers including data encryption technology comparable to that used in the banking industry," she noted.

In the near future, AMS will be creating more human resources self-serve applications such as time management tracking that will allow staff and administration to keep reliable staff attendance, personal and sick day records.

Kemp said that the main message is that people shouldn't be afraid of this new technology.

"We're trying to make it as easy as possible so that you'll be just as comfortable using this system as you would be shopping on eBay or Amazon.com," he said, "and the bonus is that by increasing this usage, we're helping the university save energy, paper and time."

To check out the web services offered by AMS, visit <https://ams-its.utoronto.ca>. Contact Graham Kemp at utoronto.ca or cathy.eberts@utoronto.ca for more information on AMS offerings.

ACCOMMODATING DISABILITIES, HEALTH CONCERNS

WORK/LIFE SUPPORT RESOURCES

U of T understands the challenge of maintaining a positive and healthy balance between personal, work and family life. It also recognizes the role that both the employee and the workplace play in contributing to a positive work experience and provides a wide range of supportive resources, information and assistance to employees through the following offices and program initiatives for all three campuses.

Family Care Office: Information, referrals, educational programming, counselling and advocacy on family issues including child and elder care, maternity/parental leave, flexible work arrangements, schools and children's programs. www.familycare.utoronto.ca/fmcmain.htm, 214 College St., 416-978-0951.

Health and Well-being: Resources and services related to sick leave, occupational health, long-term disability, workplace injuries and workplace accommodation for employees with disabilities. www.utoronto.ca/hrhome/lwbv/, 263 McCaul St., 416-978-2149.

EFAP: Free short-term confidential counselling and referrals for employees and their dependents who may have personal, family and work-related concerns. www.hranequity.utoronto.ca/support/EFAP.htm, 1-800-668-9920.

Child Care: Valuable information on U of T's on-site child-care centres, emergency back-up child-care programs and other resources available through the family care office. www.familycare.utoronto.ca/fmcmain.htm, 370 Huron St., 416-946-0875.

Flex-time: Flexible working hours, temporary leaves and other flex-time policies. www.hranequity.utoronto.ca/support/flex-time.htm. Contact: your local divisional human resources office.

Accessibility Services, St. George campus: Assistance for students with disabilities. www.sa.utoronto.ca/area.php?waid=5, Robarts Library, first floor, 130 St. George St., 416-978-8060, or Medical Arts Building, 10th floor, Room 1017, 170 St. George St., 416-978-1077.

Accessibility Services, U of T Scarborough: Assistance for students with disabilities. www.uscutoronto.ca/ability, 1265 Military Trail, Room S302, 416-287-7560.

Accessibility Resource Centre, U of T Mississauga: Assistance for students with disabilities. www.utm.utoronto.ca/access, 3359 Mississauga Rd., South Building, Room 204, 905-569-4699.

Working to Become Barrier-Free University

WHEN JANICE MARTIN, manager of Accessibility Services, talks about students with a disability, it's in a context that recognizes the increasing number of students with visible and invisible challenges attending post-secondary institutions across North America.

"Our mandate is to ensure that all students participate in the academic as well as the co-curricular activities of this university," she said from her office which, even with the door closed, is surrounded by the sounds of hustle and bustle.

That swirl of activity reflects the more than 1,700 students on the St. George campus registered with her office — many of them dealing with more than one disability. The number of students requiring these services has increased 10 to 15 per cent every year since 2001.

Accessibility offices must, by provincial law and university policy, accommodate both those students who have visible disabilities (wheelchair users, low vision) and those with invisible challenges (including learning or mental health difficulties and chronic health issues such as epilepsy, diabetes and Crohn's disease).

"Accessibility Services is an

equity office," Martin said. "We work with faculties and departments and other services across campus to identify and remove barriers for students with disabilities, as do our colleagues in offices on the Scarborough and Mississauga campuses."

Once students complete the initial registration process, they're assigned an adviser who works with them to discuss the most appropriate academic accommodations to meet their needs, while respecting the academic integrity of the university.

For students using mobility aids such as canes or other walking devices, a discussion takes place on what the student needs (going as far as changing classrooms to buildings with elevators and ramps), deciding whether or not an attendant needs to accompany the student to classes and even exploring whether the Athletic Centre has appropriate exercise equipment.

"There is no cookie-cutter approach to providing accommodations for students registered with us," Martin said. "Those coming here have individual and specific needs depending on the nature of the disability and the extent to which the disability impacts on their academic work."

This department also contracts highly trained service providers to assist those with visual impairments to orient themselves to the campus, sign language interpreters for the deaf and close to 400 student volunteer note takers for those whose disabilities make it difficult for them to write for themselves during lectures.

As well, in the past few years there's been an increase in mental health concerns such as depression, anxiety disorders and

Asperger's syndrome (a form of autism) as well as environmental sensitivities.

Martin's office also provides a centre where students can write tests and exams with academic accommodations (7,000 tests year-round), take rest breaks, have access to computers with adaptive technology and software, private washrooms for those with gastro-intestinal disorders and even foam mats on the floors for those living with chronic pain.

TODAY, IT'S WIDELY
ACCEPTED THAT
STUDENTS WITH
DISABILITIES CAN
ATTEND POST-
SECONDARY
EDUCATION

"Prior to the 1980s disability related accommodations were not readily available for students," Martin noted. "Not just because offices like this didn't exist but because students with disabilities didn't necessarily feel welcome. Today, it's widely accepted that students with disabilities can attend post-secondary education and, with accommodations in place, be successful in meeting the same academic standards as their peers without disabilities."

Stories By
Michah Rynor

MENTAL HEALTH NEW WORKPLACE CONCERN

MOST OF US THINK THE MOST common reason for losing time at the office is the annual flu or cold. But an increasingly predominant workplace health issue is actually mental illnesses such as depression, stress or substance abuse.

"There is a lot of information on the impact of employee stress and depression on organizations today," said Professor Angela Hildyard, vice-president (human resources and equity). "This isn't a U of T trend; this is a 2007 North American trend."

The Canadian Mental Health Association says that five of the top 10 leading causes of disability worldwide are mental disorders;

the organization estimates that about 2.5 million Canadian adults, or more than 10 per cent of those 18 and older, will have a depressive disorder.

Hildyard said the Family and Employee Assistance Program (FEAP), to which the university subscribes, is seeing increases in the numbers of employees and their families using these specialized counselling services to address issues of depression and stress.

"Many employers are very concerned about the numbers of employees who are off work due to some form of stress and related mental health issues," but she noted that U of T is well situated to deal with this increasingly complex issue.

"We're certainly looking at a variety of ways to help individuals such as utilizing the expertise of the family care office and accessing FEAP. As well, we are one of the very few academic institutions in Canada to have a quality of work life office."

The mental health challenges facing such a decentralized and massive university are many, Hildyard said, and support isn't just about accommodating the person afflicted with illness; it's also about helping the employee's colleagues who may have to adapt to an absence in the office and then adapt again when that employee returns.

"If someone has been off with a broken arm you can see that person getting better but when a co-worker is off due to stress you often don't know how to talk to them or even ask if they're feeling OK without feeling intrusive and awkward."

Such a situation, the university could bring in a FEAP counsellor

for advice on sensitive staff communications as an employee makes the transition back to working.

WE MUST CONTINUE
TO ASK THE QUESTION,
WHAT WOULD I WANT
A LEADING-EDGE
EMPLOYER TO DO FOR
ME IF I GOT ILL?

One key to dealing with mental health issues is raising awareness. The highly successful poster campaign produced by Student Affairs two years ago that showed actual U of T students functioning on campus despite physical and men-

tal disabilities set the stage for this.

"Mental illness is one of those taboo subjects in society, yet all of a sudden this campaign enabled others on campus to reckon that if these students could identify themselves so bravely then maybe they could too," she said. "Organizations everywhere are finding that people are willing to talk about their problems like never before, so mental illness is becoming less of a stigma in the workplace."

Hildyard said the university will continue to search for exemplary practices from across North America and look for policies and procedures in a very global sense that will help employees deal with these issues.

"We must continue to ask the question, 'What would I want a leading-edge employer to do for me if I got ill? What would I expect that employer to do for my child if he or she became ill?'"

University Assists Employees With Health Issues

IT WAS IN 1998 THAT DEBORAH Loughlin began one of the most painful journeys of her life — but one that has a happy ending, thanks to the university's office of health and well-being programs and services.

Loughlin, a dental assistant working on the St. George campus, found herself growing exceedingly tired, dizzy and depressed along with having fainting spells, severe headaches and a strange ringing in her ears.

Her doctor was baffled and she felt helpless and alone. Suddenly, the 39-year-old single mother with a young son found she could no longer work. "My physical and mental symptoms just kept growing," she recalled, "but at the time there was only the university's occupational nurse to turn to."

Luckily for Loughlin, the university was able to place her in a different department — but only on a part-time basis with a hefty pay cut. "In those days they didn't have the accommodations for people like me," she recalled.

While she was ill, the office of health and well-being programs and services was created and Loughlin soon found herself under the care of people truly interested in her health and hopeful that she would return to U of T.

"I was on disability through the university for six years, which I hated because I wanted to work and I was so happy that this office got me back here."

It took 18 months for health

and well-being to find her the secretarial position at the Graduate Centre for Study of Drama she now holds, "but I've become so passionate about the treatment of people such as myself that I've entered Dalhousie University's disability management program offered online," Loughlin said.

Myra Lefkowitz, manager of health and well-being, said thinking outside the box is often required when it comes to addressing disabilities, whether visible or invisible.

"We have to build a university culture that accommodates different work patterns and optimizes the contributions of all employees — including those who have or acquire disabilities."

She sees her job as one of broker, "as in brokering an agreement or an accommodation that is win-win for both the individual and for the university."

There continues to exist the misconception that accommodating an employee with a disability means the individual gets to do less than his or her peers, she added. "Often, accommodation simply involves changes to the work environment or the way in which it's done in order that one can actually still perform essential duties. The only difference is that the job may be performed in a different manner."

When a faculty or staff member requires such accommodation, they can contact her office. Lefkowitz and her staff work alongside the medical provider, the union, human resources and the employee's department itself to identify a reasonable solution to address the employee's abilities, limitations and restrictions.

"We must always remember that we are all 'temporarily' able-bodied and able-minded and there's a very good chance that one day, when speaking of people with disabilities, the pronoun will change from they to we," Lefkowitz said.



PASCAL POLETTE

With Laurie McArthur overseeing him, writer Michah Rynar tries some of the assistive devices available at the Adaptive Technology Resource Centre.

Centre's Technology Aids Students With Disabilities

IT LOOKS LIKE ANY OTHER OPEN-concept classroom; books and papers scattered around tables with students looking intently into computer screens.

But looks are often deceiving, for this is the heart of the Adaptive Technology Resource Centre, a pioneering initiative with a mandate to make information technology accessible to all — the visually impaired, those with mobility and hearing challenges, mental health difficulties and learning disabilities and even people who find their eyesight weakening through the normal aging process. The centre's aim is to help students achieve their academic goals.

"We address the needs of students with a broad range of abilities," said Laurie McArthur, services co-ordinator for the centre. "We take individuals with physical access limitations and find keyboard alternatives such as voice input, alternatives to using a hand-held computer mouse and even a wheelchair joystick to interact with a computer."

Computers at the centre can

enlarge text, vary the contrast and even change the colours of the screen's background. Keyboards can be adapted for speech recognition input and there is cutting-edge hearing technology for the hearing impaired.

"We want students who require assistive technology to use this centre but our ultimate goal is to have them be as independent as possible," McArthur said. "We're not a replacement for completing their academic work but we do provide them with other strategies for overcoming some of the challenges they experience."

Technology also plays a major role for those with mental health issues. For those having difficulty attending classes because of schizophrenia, depression or myriad other mood disorders, training is available from the centre to teach students how to turn off-campus environments into classrooms. They also get help with accessing electronic libraries and getting their papers e-mailed to professors.

Every year the centre sees more than 100 students signing up for

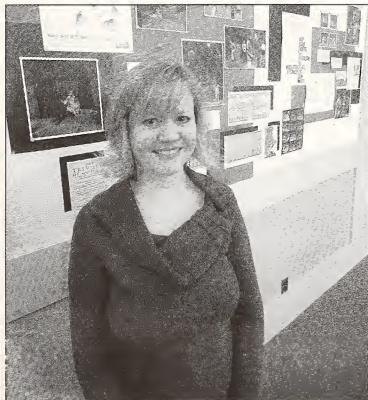
their services with some just checking in to see what new advances have been made that might make their experience at U of T a bit more hassle-free.

Although students are the centre's primary users, faculty and alumni occasionally take advantage of the centre's services; access is made easy by the daily workshops and drop-in hours.

"We are, I believe, the only academic centre in Canada that actually has such a breadth of experience, knowledge and research abilities," McArthur said. "Not only are we actively working with individuals but we are involved in conducting international research as well as working on industry standards when it comes to emerging technological advances in these areas."

In fact, the centre has already won awards from the Canadian National Institute for the Blind and the French Tropic du Libre.

"Technology is sometimes slow and difficult to match with the user's individual needs," McArthur admitted, "but we've never been stumped yet."



MIKE ANDRICHUK

With assistance from health and well-being programs and services, Deborah Loughlin was able to return to work.

FACTS ABOUT MENTAL ILLNESS IN CANADA TODAY

- It's estimated that one in five Canadians will be affected by a mental illness at some time in their lives.
- Approximately 2.5 million Canadian adults, or more than 10 per cent of the population 18 and older, will have a depressive disorder.
- Of the 10 leading causes of disability worldwide, five are mental disorders; major depression, schizophrenia, bipolar disorder, alcohol use disorder and obsessive compulsive disorder.
- Mental illness has no single cause.
- About 16 per cent of healthcare expenditures can be attributed to psychiatric disorders.
- Mental illness is the second leading cause of hospital use among those aged 20 to 44.
- A Health Canada report estimated that costs related to mental health problems resulted in a total cost of \$14.4 billion in 1998, placing mental illness among the most costly of all conditions in Canada. By 2020, it is estimated that depressive illnesses will become the second leading cause of disease burden worldwide and the leading cause in developed countries like Canada.
- Most people with mental illness recover.

Source: the Canadian Mental Health Association (Toronto) 2007

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Applications will be received until April 5, 2007 for an appointment to begin in July 2007. Please submit to: The Vice-President and Provost's Review and Advisory Committee, re: Warden of Hart House, c/o Vanessa Laufer, Special Projects Officer, Room 232, Simcoe Hall, 27 King's College Circle, Toronto, Ontario M5S 1A1 or hhwardenssearch@utoronto.ca

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Student Macy Siu is editor of *Demo*, a new music magazine produced by the Hart House Music Committee.

Music Magazine Debuts on Campus

By Michah Rynor

WATCH OUT ROLLING STONE, *Demo* has arrived.

The glossy, first volume of the new Hart House music magazine hit campus newsstands in late February and is the product of 14 students and one staff member who "live for music," says its editor.

The writers, editors and contributors, headed by editor-in-chief Macy Siu, seek to feature "musical indulgences both on and off campus," especially drawing out the student artists at U of T, she said.

The 16-page free publication is an initiative of the Hart House music committee which realized there was a diverse interest in music on campus that wasn't being satisfied by the usual student media.

"We want a publication where students can share their opinions regardless of musical genres," said 19-year-old Siu.

"There are a number of student-run music programs, events and talents out there that don't have the chance for much exposure and *Demo*'s goal is to feature them through the eyes of regular students from various programs. As a publication, not only will it give student musicians a chance to be involved, we're hoping that this will also give student writers and artists a chance to get their work published."

The February issue contains articles on CIUT-FM (the St. George campus radio station); an interview with Roger Mantie, Hart House's newest symphony conductor; a feature on where to find the best jazz hotspots in the city; CD reviews and a reflection on how music helped pave the way for changes to women's social status.

Siu and her team had two initial challenges: finding the right look and mandate for the magazine ("We wanted stories committed to showing our vision to the readers")

and organizing all of the submissions and content.

"However, an enthusiastic and dedicated writer and editor base definitely made the process easier," she said.

Siu's primary hope is that *Demo* will be a magazine students look forward to reading and a place they can turn for music news both on and off campus.

"*Demo* is probably the first campus magazine solely dedicated to the music of all students — not only those studying music but engineers, art students, those studying anthropology, students of all backgrounds," Siu said.

The next issue is to be released in June after which it will potentially become a quarterly. Although the

magazine is generously funded by Hart House, Siu is in the process of finding outside sponsors and music outlets willing to donate product for review purposes.

"I think *Demo* has a wide appeal for students as well as the greater community," said Zoe Dille, Hart House program adviser (music and special events), "because music is so universal and is the soundtrack to all our lives in some way. It shows the student body that university can be a vibrant and creative place to learn and to hang out and have meaningful life experiences. By merging campus student profiles and musical series with off-campus happenings, I think we have created a dynamic and attractive magazine."

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The Changing Face of Nursing

Stories by Elizabeth Monier-Williams

Graduate Scholarships Open Doors to Specialization

BRIDGETTE LORD ONLY RECEIVED HER MASTER'S DEGREE in acute care nursing from the University of Toronto's Faculty of Nursing last spring, but she's already improving patient care at Toronto's University Health Network (UHN).

In September 2006, Lord was hired to create and run a rapid diagnostic breast cancer clinic for new patients at Princess Margaret Hospital. The first of its kind in Canada, the clinic allows patients to receive imaging scans, get their pathology results and meet with a surgeon all in one day.

"The clinic has made me the primary contact for each person, conducting initial assessments and co-ordinating their care while supporting them and their families as they move through the treatment process," she explained. "Improving their treatment experience required a lot of co-ordination, but it's more efficient. Before the clinic started, the average wait time for this service used to be 5.3 weeks. Now, I see 95 per cent of patients in the first week."

Clinics led by acute care nurse practitioners like

Lord are still fairly new in Canadian nursing but demand for the expertise of specialist nurses is growing. Graduate students like Lord will now have 25 more opportunities to receive a scholarship, thanks to \$10 million brought to the faculty by Toronto financier Lawrence Bloomberg. It triples the faculty's yearly scholarship funding from \$185,000 to approximately \$585,000. The scholarships will be known as the Schulich scholarships, named in honour of Seymour Schulich.

Lord said the scholarships she received as a master's student went a long way towards making her third degree possible. "Scholarships make a huge impact on whether people can go back to school, especially at the master's level," she said.

"Knowing you can pay your books, tuition and child care leaves you free to focus on your studies or pursue research that you might not otherwise explore. It's great to have hard work recognized."

Lord credits her mentors at the university with opening her eyes to the diversity of nursing roles, including



Bridgette Lord

acute care nurse practitioners. "Professors like Judy Watt-Watson kept in touch with me after my undergraduate studies ended in 2002 when I was working in UHN's hematology in-patient unit," she said.

"They encouraged me to consider a master's degree, which further developed my interest in the clinical aspect of acute care nursing and prepared me for my current position."

So far, patient satisfaction with her clinic's services has been high. "I love the work I do," Lord said. "I like working with people, and it has such a huge impact on patients and their health."

Agenda Brings World to U of T

A PORTION OF THE TRANSFORMATION AGENDA FUNDS create 20 one-year appointments for visiting international professors or post-doctoral students over a 10-year period, a move that will spawn new research collaborations, put nursing students in contact with more of the best and brightest minds in the international field and acquire a wider pool of talented professors with U of T as a desirable employer.

Dean Sioban Nelson of nursing understands the transformative power of such experiences. In 2002, she spent a single term as a visiting professor with the faculty; five years later, she became its dean.

"My experience as a visiting professor was absolutely pivotal to my decision to move," she said. "I got to know the students, the faculty, the university and Toronto. Without that, I would not have considered moving here from Australia."

Shortage of faculty is a major issue facing nursing education worldwide. Nelson believes that this type of funding is crucial to putting U of T on the map in a major way for long-term recruitment. "The average age of nurses globally is increasing and many countries are, like Canada and the U.S., experiencing high demand," she said.

"Over the next 20 years, similar shortages in nursing faculty will increase as many of those who helped to start nursing faculties in the 1970s or 1980s retire. U of T's faculty is comparatively young, but to stay competitive we need to maintain and build upon our international profile."

The appointments will also enhance the learning experience of nursing students. "Visiting scholars add a whole other dimension to faculty-staff

interaction," Nelson said.

"Whether they're undergraduates or doctoral candidates, it's a chance for our students to explore different fields of knowledge while developing their professional network."

Nelson is confident that the 10-year agenda will position the faculty as a key player in the field. "We



Sioban Nelson

want to show scholars that this is an excellent place to teach and do research," she said. "It's a chance for us to build relationships with established scholars and the next generation of nursing leaders. Whether they return to U of T or not, we intend for them to go home as our ambassadors."

Transformation Agenda Will Change Nursing Education

-Continued From Page 1-

Creation of the Centre for Excellence and Innovation in Nursing Education (CIENE) is another of the Transformation Agenda's major components. Led by a new faculty member, the centre will add virtual components to the curriculum; seek innovative ways to open resources like the state-of-the-art Clinical Simulation Learning Lab to off-campus students; and advance new technologies and wireless applications, ensuring that graduates enter the workforce ready to adapt to technological change. The centre will also make profes-

sional development available to nurses involved with student clinical placements.

Lastly, the Transformation Agenda will create the office of continuing nursing education, which will develop Canada's first continuing education program for advanced practice nurses.

The Clinical Simulation Learning Lab (SIMS Lab), a state-of-the-art facility that includes 17 computerized adult, pediatric and infant simulation mannequins in a hospital setting, will play an integral role by providing a place for nurses to conduct new assessments or recertify existing skills.

Scholarships Make Nursing More Attractive Career Option



John Santiago

FACULTY OF NURSING UNDERGRADUATE JOHN SANTIAGO had never received a scholarship before he was awarded the Mary Isobel Upson Trust for academic merit last October. "I jumped for joy when I found out," he said. "The financial support helped to pay for my books and tuition, but it felt so great to be recognized."

Undergraduate students like Santiago will now have 25 more opportunities to receive a scholarship, thanks to the \$10 million brought to the faculty by Toronto volunteer and philanthropist Lawrence Bloomberg. The scholarships will be known as the Schulich scholarships, named in honour of Seymour Schulich.

Dean Sioban Nelson of nursing believes the scholarships will make the faculty's recruitment efforts more competitive. "Prospective nursing students often apply to several health science programs such as medicine, pharmacy or physical therapy," she said. "Since these programs are often second entry and many applicants are carrying debt or have young families, funding plays a big role in their decision-making. Being able to offer our students more in scholarships will make nursing competitive against a range of careers."

Santiago, now nearing the end of his second year

in the program, said he always planned on pursuing a career in the health sciences. "I graduated with a bachelor of science from the University of Waterloo but wasn't sure what to do next," he explained. "Nursing includes so many of the health sciences that I decided it was a good place to explore my options."

He said interacting with patients and clients is his favourite part of the job. "Nursing is about communicating with people — figuring out what they've experienced and how it's affecting their health. It's challenging to be in intimate contact with people while they're in need, especially when their condition prevents them from talking to you."

Last summer, Santiago volunteered in a health clinic in Africa and will be travelling to India in July as he participates in a clinical placement through the faculty. "The African clinic didn't have electricity or running water, but the nurses there were still helping people to get better. Their dedication was inspiring."

In the fall, Santiago plans to seek work in the mental health sector. "I enjoyed my clinical placement at the Centre for Addiction and Mental Health. Eventually, I hope to get my master's in mental health nursing or become an advanced nurse practitioner."

Technology Backbone of New Centre for Excellence

TO SUCCEED IN CANADA'S RAPIDLY CHANGING HEALTHCARE environment, nursing graduates must complete their studies prepared to cope with and adapt to change in an increasingly high-pressure, high technology environment.

Through the Centre for Excellence and Innovation in Nursing Education (CIENE), the Lawrence Bloomberg Faculty of Nursing will help students respond to technological change by developing virtual components to the nursing curriculum and exposing students to the latest wireless or handheld technology.

"Adaptability is crucial to a nurse's long term success," said Professor Sioban Nelson, dean of nursing. "We have incredible resources in our Clinical Simulation Learning Lab (SIMS Lab) but want our students to have the flexibility to do assessment or self-test exercises without having to physically visit."

Remote access is essential since nursing students participate in a variety of clinical placements across Ontario, where they receive mentorship and training from an extended group of nursing colleagues, supporters and facilitators. The placements range from specialized roles in Toronto emergency rooms to community settings to primary healthcare services in northern Ontario.

"Clinical placements play a critical role in educating our students, but their co-ordination is an enormous logistical challenge," Nelson said. "The CIENE will allow us to centrally develop measures to ensure that every student receives the best possible experience, along with the infrastructure and support they need to thrive. We want the quality of their experiences to be consistent, regardless of where an individual placement occurs."

Nelson believes that connecting more closely with the students' instructors and mentors is a large piece of that work.

"Nurses working in the field have the best ideas for how to apply nursing principles in clinical settings," she said. "We want to engage them in our curriculum development and offer them opportunities for further professional development. When hired, the CIENE's director will develop creative and innovative ways to enrich those relationships."

Nursing graduates enrolled in the acute care nurse practitioner program already complete their curriculum online, so they will be the first nursing student group to experience the new virtual environment. The faculty's virtual curriculum will create both online networks for clinical placement mentors and curriculum models to support student learning.

"Developing virtual templates for patient assessment and other tasks will allow our students to refine their skills no matter where they're working," Nelson explained.

"Acute care nurse practitioners work with the most complex patient cases; once their curriculum is revamped, we can simplify it as needed to develop templates for other student groups."

When complete, the virtual environment will expand the faculty's recruitment capacity while offering greater



From the control room, technician Yaw Odeh monitors the performance of students working in the Clinical Simulation Learning Lab.

flexibility to incoming students. "Students recognize the future opportunities in nursing and are applying in greater numbers than we can currently support," Nelson said. "We've seen huge demand for acute care nursing education, particularly in the north where those skills are in high demand. By going online, those who wish to study at U of T but who have young families or other community obligations will be able to complete their studies without leaving their communities for months at a time."

THE TRANSFORMATION AGENDA, MADE POSSIBLE BY THE LARGEST REPORTED GIFT TO A CANADIAN FACULTY OF NURSING, CREATES:

- The Lawrence Bloomberg Faculty of Nursing, named in honour of a long-time healthcare volunteer

- Centre for Excellence and Innovation in Nursing Education, which will introduce innovative virtual components to the nursing curriculum while providing support for nursing students, faculty and clinician supervisors

- Twenty-five undergraduate and 25 graduate scholarships endowed in perpetuity

- Four five-year professorships
- Twenty-one-year appointments for international visiting professors or international post-doctoral fellows
- Office of continuing nursing education, which will develop Canada's first continuing education program for advanced practice nurses

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**NEW WORLDS:
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by

Scott Tremaine

Institute for Advanced Study, Princeton University

For thousands of years humankind has speculated on the existence of planets and life beyond the solar system, but until recently astronomers have had only our own planetary system to study. Everything changed in 1995, however, when Swiss astronomers announced the first convincing evidence for a planet—though one very different from the Earth—orbiting a Sun-like star. Since then, over 200 extrasolar planets have been found, and many more are likely to be discovered within the next several years. The ultimate, and still distant, goal is to find Earth-like planets capable of sustaining life. I will review what we know so far and hope to learn soon about planets around other stars.

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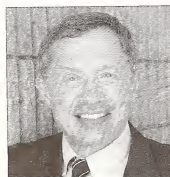
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Seminars, Events Mark Nutrition Month at UTSC

By Margarita Medynsky

FOR MOST UNIVERSITY STUDENTS, the "m" in March stands for madness, as they scramble to get those last assignments finished and spend many sleepless nights cramming for upcoming exams. However, insomnia and procrastination are not the only unhealthy decisions made by today's youth.

As students become more independent, they are faced with more difficult choices. Which courses should I pick, who should I research for my next paper and what should I eat for lunch, A or W or Subway? are all decisions facing university students.

U of T Scarborough's physical education department and the Health and Wellness Centre have joined forces to teach students how to make a healthy transition into adulthood.

"As educators, it is important for us to educate students on how

to make healthy decisions and to raise awareness about the importance of nutrition" said Ronka Svetkovic, fitness program coordinator and event organizer.

Nutrition workshops and informative displays popped up all over the Scarborough campus this March, also known as nutrition month. UTSC kicked off the celebration with a student-run event called Nutrition Madness. The event involved students in interactive games and provided information (displays and brochures) on dieting, making sense of food labels, nutrition counselling services on campus, understanding food allergies, discovering Canada's new food guide and celebrating your natural body type.

The nutrition blitz was followed by a series of interactive workshops addressing various aspects of health. The physical education department organized a seminar discussing the key com-

ponents of maintaining a healthy relationship with your partner, followed by an interactive program on understanding food labels. Another workshop taught students how to make a healthy transition into vegetarianism. Strong Abs and Lower Back was a smaller event that Svetkovic referred to as "her baby." Svetkovic led the session, teaching students and community members how to do practical and simple exercises that would improve their physical well-being.

The events will come to a close in early April on a more serious note, with a seminar on sexually transmitted diseases.

Elsa Koissos from the Health and Wellness Centre, who also helped organize and supervise the events, said that having nutrition workshops throughout an entire month is a good way to highlight health issues and raise awareness within the community.

"We need to inform this age group about healthy choices while they're still in the process of shaping their eating habits," said Koissos.

Because of the great feedback from the students, Svetkovic and Koissos are committed to continuing to organize nutrition

events and workshops next year, making nutrition month an annual event.

Margarita Medynsky is a student in the joint University of Toronto Scarborough-Centennial College journalism program.

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New Aboriginal Studies Centre Opens

By Sean Bettam

THE CENTRE FOR ABORIGINAL Initiatives and Aboriginal Studies opened the doors to its new home in the North Borden Building on the northeast side of Spadina Crescent last week, providing a central location for all aboriginal studies faculty and a place where students can interact with faculty and elders.

"It has been a dream of aboriginal studies for many years to have dedicated space and the

creation of this wonderful home is an important step in the realization of this dream," said Professor Keren Rice, director of the aboriginal studies program.

The space was created through the dedicated support of the Faculty of Arts and Science and the office of the vice-president and provost through the Academic Initiatives Fund.

Rice noted, "In a 2004 external review of aboriginal studies, the reviewers commented that the

existence of a viable program (in this area) has to be felt throughout the University of Toronto. It has to pierce the culture of the university if it is to be accepted and embraced; it cannot be built on goodwill alone."

The new space is one floor below First Nations House, which has already established itself as a place for U of T students, faculty and staff to seek culturally appropriate services and connect to Toronto's aboriginal community.

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UTSC Emergency Team Linked to 911

By Swetha Chirravur

THE RESPONSE TO MEDICAL EMERGENCIES at the University of Toronto Scarborough will be faster than ever this year, due to a change in 911 dispatch procedures.

Through the new process, the UTSC's EMRG (emergency medical response group) is alerted to medical emergencies and can respond to emergencies before the arrival of the paramedics. The student-run volunteer team has three members on duty at all times to ensure the safety of students, staff and faculty on campus. The team, which is on-call 24-7, has responded to more than 150 calls since September.

"The benefits to faster responses are huge," said U of T Scarborough student Jocelyn Paul, one of the founding

members of the EMRG team. "Now we can get to people minutes faster. Also, the ambulance will know that we are there and it won't be a surprise to them. It improves the relationship with the paramedics and eases patient transfer. For example, if we know it's a spinal injury, we know to take our backboard with us right away."

The team now has 55 volunteers who are trained in CPR-C, which includes cardiopulmonary resuscitation, standard first aid, emergency response and the use of the automated external defibrillator, which the EMRG received approval to purchase. Some volunteers are students enrolled in the paramedic program so the experience provides practical training for them while enhancing the overall emergency safety services.

Superintendent Darcy Griffith,

manager of police services, said the presence of the student EMRG team enhances the safety services on campus.

"They are a valuable addition to our campus safety resources and it's great to have them here," he said. "We're glad to have the EMRG team as partners in campus safety and we look forward to continuing our great relationship."

The EMRG team was instrumental in making a change to the procedure in setting up a direct 911 EMS (Emergency Medical Services) dispatch system, Griffith said. "Now when someone on

campus phones 911, the Toronto EMS calls us at campus police to notify us that an ambulance has been called and they share with us the nature of the emergency. The campus police can call EMRG if we know there is a medical emergency and there is a quick response even before the ambulance shows up."

"Not only are we one of the fastest response teams in Canada, we are the fastest growing team, due to the support we get," Paul said. EMRG continues to work with operational funding provided by the university and additional

funds raised through CPR and life-saving courses offered on campus. Since September, the team has been working to create awareness of safety issues at frosh and orientation events and at the residence centre. It is also working closely with parking and police services as well as with the Health and Wellness Centre to promote health and safety on campus.

Visit www.utsc.utoronto.ca/~emrg for more details.

Swetha Chirravur is a fourth-year student in English and economics.

Rotman MBAs Win Not-for-Profit Case Competition

By Ken McGuffin

FOR THE SECOND CONSECUTIVE year, a team of MBA students from the University of Toronto's Rotman School of Management has won an international case competition at the George Washington University School of Business.

The Rotman team, consisting of first-year MBA student Sarah Stern and second-year MBA students Abhijit Rawal, Hala Kosyura and Ellie Avishai, defeated teams from 20 other business schools to take the first place prize.

The annual competition, held the weekend of March 17 in Washington, D.C., focuses on finding business solutions for a

not-for profit agency. This year's case focused on the AARP, which is trying to determine whether it should expand its services to include the 25 to 34 age group. The Rotman team proposed a solution based on a savings initiative that targeted families. Further details regarding the competition are available online at: www.gwu.edu/~cascomp/index.htm.

The team was supported by the Rotman Schools AIC Institute for Corporate Citizenship, which aims to help current and future business leaders integrate corporate citizenship into business strategy and practices, and the Rotman Schools MBA program services office.

In recent years, Rotman MBA

students have become increasingly interested in corporate social responsibility and issues facing not-for-profit organizations. In November 2006, Rotman Net Impact hosted the first-ever Corporate Social Responsibility Case Competition for students at Canadian business schools. On March 21, the Annual Leadership in Social Change Career Fair & Conference will be held at the Rotman School. This spring, Rotman NeXus, a non-profit management consulting service established to help non-profit organizations and social enterprises, will begin its third year of operation. It is staffed and operated by Rotman MBA students.

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LETTERS



ERRONEOUS IDEAS AS BLOCKS TO PROGRESS A COMPLEX QUESTION

Michael Piggott's evaluation of the phlogiston theory of combustion as hampering "scientific advance" is problematic (Prophecy as Science, March 6). Consider Joseph Priestly, one of the recalcitrant scientists who continued to believe in phlogiston. He is responsible for identifying phenomena like the relation between respiration and combustion that would become key components of the Lavoisier's oxygen theory but explained

them in terms of phlogiston. Arguably phlogiston provided the necessary basis for the advances allowed by oxygen. Also, errors in theory need not inhibit scientific advance as seen in Priestly's successful scientific endeavours. Indeed Lavoisier's oxygen theory contains in its name for the gas a proposition no longer accepted by chemistry that oxygen is to be found in all acids. Oxygen is taken from the Greek to mean acid generating. So the extent to which an erroneous but widely held idea is a stumbling block to progress is a complex question.

Also, Piggott's examples of fringe voices who put forward propositions at odds with the scientific establishment are one-sided. He did not mention there are numerous cases of people making claims at odds with established thinking and these claims never establishing themselves in the mainstream. Obvious examples are the people claiming to have achieved things

such as perpetual motion machines. Some ideas at odds with the current scientific establishment have been fruitful and others have not. Presumably, time will tell in which group Professor Piggott's skeptical claims about theories of human caused climate change will be found.

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LETTERS DEADLINES

MARCH 30 FOR APRIL 10
APRIL 13 FOR APRIL 24

We'd love to hear from you. Just remember that letters are edited for style and sometimes for clarity. Please limit the number of words to 500 and send them to Ailsa Ferguson, associate editor, fax: 416-978-7430; e-mail, ailsa.ferguson@utoronto.ca.

ON THE OTHER HAND What's the Matter With Kids Today?

By NICHOLAS PASHLEY

TWO MONTHS AGO I WROTE ABOUT THE morning I spent speaking to students in the U of T museum studies program. They seemed a bright bunch, if only because they laughed least at some of my jokes, asked relevant questions and didn't throw anything at me. That's good enough.

I was aware that these people — I was close to calling them kids but they're second-year graduate students, for Pete's sake — were in the process of assembling an exhibition on the history of drinking in this country. Well, I'll be darned if they didn't do exactly that and they were kind enough to invite me to the opening night party earlier this month down at the Steam Whistle Brewery.

I had never really given a lot of thought to museum studies or the sort of students who are attracted to the field, but of course it beckons to people with all sorts of diverse interests: history, art, archaeology, anthropology, literature, you name it. All of these backgrounds (and more) are represented in the U of T program and all these skills (and a whole lot more) were on display at the exhibition including marketing, design and making do with not nearly enough money. That final factor should serve them well as they head out into what we laughingly call the real world.

There's a charming English expression to describe the sort of person who "couldn't organize a piss-up in a brewery." I'm happy to tell you that our museum studies people — and I nearly called them kids again because they're a tiny fraction of my age, but most people are — passed that test admirably, though it was touch-and-go. You may recall that cold snap in early March when chunks of ice the size of Hart House were flying off the CN Tower. It's a wonder any of us survived. Now, if you know anything at all about the Steam Whistle Brewery it's that it could scarcely be closer to the CN Tower if it tried. If the sun rose in the north, you'd describe it as being in the shadow of the CN Tower. You could spit on the brewery from the top of the tower, though I understand



they discourage that sort of thing.

Getting the show mounted in the first place was an adventure that apparently required much ducking of the local constabulary and rather a lot of skulking around past those yellow police cordons. You might remember that practically everything south of College Street was shut down. Simply attending the party called for a large dose of intrepidity (and yes, that is a real word), negotiating the ice on the ground and the ice tumbling from the sky and avoiding the safety-conscious police who really didn't want anyone going anywhere near the place. All that dodging of authority was actually a bit like drinking in the '60s, though I promised I wouldn't write about that any more.

Once inside, it was worth the adventure. The exhibition is terrific — both handsome and informative — and they had somehow acquired an example of the liquor permit that until 1958 every LCBO patron was required to proffer to the cashier. It was like a small passport in which were recorded the details of every liquor store purchase. This one is in pristine condition and is worth the trip downtown all by itself (did I mention it's in a brewery?).

One of the many pleasures of opening night was the sight of the young women of the program, glamorous personified in their cocktail dresses. (I'm sure the fellows looked fine too but they're in a minority and in the resplendence sweepstakes they didn't stand a chance.) In the words of Noel Coward, I couldn't have liked it more. They even put together a book to accompany the show, including a modest contribution from your humble correspondent — a snip at 10 spinodas, presumably available through the program.

The show is called Bottoms Up!: Spirited Reflections on Drinking in Canada and it runs until April 2. What's the matter with kids today? Not much.

Nicholas Pashley buys, sells and reviews books for the U of T Bookstore.

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KEYNOTE SPEAKER

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Saturday, April 14 - Sunday, April 15, 7-10 pm
Town Hall, Innis College, 2 Sussex Avenue

- **Saturday:** Oscar-nominated short *Walking and the acclaimed Street Musique* (Ryan Larkin), *Painted Nation* (Cyrus Sundar Singh), *When the Levees Broke: A Requiem in Four Acts* (Spike Lee).
- **Sunday:** 23 *Skidoo* (Julian Biggs), *When Hockey Came to Belfast* (Linda Conway), *Through a Blue Lens* (Veronica Alice Mannik), *Downtown 81* (Edo Bertoglio) — starring American artist Jean-Michel Basquiat.

CONFERENCE

Wednesday, April 18 - Sunday, April 22

Robert Gill Theatre, Koffler Student Services Centre
214 College Street, Third Floor

Panel Discussions:

- Street Histories, Street Cultures, Street Spaces, Street Politics, Street Art, Knowing and Representing the Street

Photo Exhibit:

- *Toronto Suite* by Toronto-based independent documentary photographer, Vincenzo Pietropaolo, will be on display during the academic conference.

STUDENT PHOTO EXHIBIT

Wednesday, April 18 - Sunday, April 22
Map Room, Hart House, 7 Hart House Circle

STUDENT POSTER EXHIBIT

Wednesday, April 18, 12-4 pm
Sidney Smith Hall Foyer, 100 St. George Street

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Please reply (electronic submission preferred) by Monday April 9, 2007 to: Dean Catharine Whiteside, c/o Elizabeth Wardell, Faculty of Medicine, University of Toronto, Room 2109, Medical Sciences Building, 1 King's College Circle, Toronto, Ontario, M5S 1A8; Fax: 416-978-5568 / E-mail: elizabeth.wardell@utoronto.ca

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The following are books by U of T faculty and staff. Where there is multiple authorship or editorship, staff are indicated with an asterisk.

Killarnee, by Sonnet L'Abbe (McClelland & Stewart; 112 pages; \$17.99). The poems in the author's new collection of poetry reconsider the rules for 21st-century life. Infused with a political undertone that reveals a child's emerging understanding of identity, of specific citizenship, of bodies physical and psychological, of language, imagination and dream, the poems range from the intimacy of infancy to the shock of whole civilizations razed by war.

See Through Ledoux: Architecture, Theatre and the Pursuit of Transparency, by Rodolphe el-Khoury (ORO Editions; 120 pages; \$20). Claude-Nicolas Ledoux's engraving, *Coup d'oeil du théâtre Beaumartin*, is seen reflected in the eye of a viewer is the centrepiece in this intellectual archeology. The close reading of this celebrated icon uses it to excavate the foundations of architectural transparency, modernism's most potent and lasting "invention," here traced back to an intellectual milieu that precedes the Industrial Revolution's glass and steel building technology.

Inigo Jones and the Classical Tradition, by Christy Anderson (Cambridge University Press; 292 pages; \$90). Since the time of his death, Inigo Jones has been variously described as the first educated architect, the first classicist, the first Renaissance architect in Britain and the saviour of British building from the long winter of the Elizabethan style. Overlooked in this description is the many ways Jones drew on English customs in order to shape classical architecture for a domestic audience. This book explores the creation of Jones as professional architect and the development of classical architecture in England through a study of his reading, writing and architectural practice.

The Educated Imagination and Other Writings on Critical Theory 1933-1963, by Northrop Frye, edited by Germaine Warkentin (U of T Press; Collected Works of Northrop Frye; 768 pages; \$125). In 1933, Northrop Frye was a recent university graduate, beginning to learn his craft as a literary essayist. By 1963, with the publication of *The Educated Imagination*, he had become an international academic celebrity. In the intervening three decades, Frye wrote widely and prodigiously but it is in the papers and lectures collected in this volume that the genesis of a distinguished literary critic can be seen.

Dilemmas of Solidarity: Rethinking Distribution in the Canadian Federation, edited by Sujit Choudhry, Jean-François Gaudreault-Desbiens and Lorne Sossin (U of T Press; 224 pages; \$55 cloth, \$24.95 paper). Since the rise of the Canadian welfare state in the aftermath of the Second World War, the politics of social policy and fiscal federalism have been at the centre of federal-provincial relations. Recent events have given impetus for scholars to re-examine these issues. In 2002 the Quebec Commission on Fiscal Imbalance released its report. The essays in this volume reflect on the Quebec commission's findings and illustrate how recent debates surrounding Canada's equalization program suggest alternative ways to approach the issue.

The Illusive Trade-Off: Intellectual Property Rights, Innovation Systems and Egypt's Pharmaceutical Industry, by Basma Abdelgafar (U of T Press; 224 pages; \$50). In this volume, the Egyptian pharmaceutical industry serves as a case study for understanding the impact of the global intellectual property regime. It offers a fascinating discussion of Egypt's role in the trade negotiations that led to the establishment of the World Trade Organization and makes the case that predominant perspectives on intellectual property rights are based on the false assumption that the innovation process is discrete and segmented.

Pension Revolution: A Solution to the Pensions Crisis, by Keith P. Ambachtsheer (John Wiley & Sons; 368 pages; \$95.99). Organized around seven broad themes, ranging from the politics and governance issues of pension to the benchmarking of results, this book shows how troublesome agency issues can be

resolved and how new research finds from the fields of behaviour finance and investment lead logically to TOPS — the optimal pension system. This new pension design avoids the pitfalls of the existing defined benefit pension plans such as risk shifting games as well as the problems of defined agency and longevity risk baggage.

'Bring furth the pagans': Essays in Early English Drama Presented to Alexandra F. Johnston, edited by David N. Klausner* and Karen Sawyer Marsalek (U of T Press; 355 pages; \$60). The contributors

of original essays in early English drama are grouped into three primary areas of Alexandra Johnston's research: the study of documentary records in relation to drama, including new research on the York documents; the interpretation of early English drama, focusing both on the biblical plans and on the moral interludes, including a broad survey of the role of the Expositor figure in English and French plays; and the drama of the later 16th and 17th centuries (Marlowe and Shakespeare) from the standpoint of its medieval background.

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Applications, consisting of a letter of interest and accompanying CV, should be submitted (electronic submission preferred) by April 16, 2007, to: Leslie Bush at or Leslie Bush, Assistant Vice-Provost, Health Sciences Sector, Suite 2115B, Medical Sciences Building, 1 King's College Circle, Toronto, ON M5S 1A8. Enquiries may be directed to Leslie Bush at (416) 978-7762.



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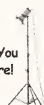
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Hilltop city treasure, charming, 10 minutes by TTC to U of T. Single family, 3 bedrooms, renovated kitchen, with walkout to new deck facing Wyckwood Park. Lovely living room, dining room, fireplace, hardwood, French doors, A/C, finished basement, separate entrance. On historical Toronto escarpment shoreline of Lake Algonquin. Oldest road in Toronto. Healthy climb, panoramic city view, wonderful nature. Great neighbourhood schools. shops, \$479,900. MLS C1092639. Anastasia Vidovic-Oehlert, Sutton Group Associates R. Inc. Brokerage, 416-966-0300.

HEALTH SERVICES

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pains and stress. Treatments are part of your extended health care plan, 360 Bloor St. West, Suite 504 (Bloor/Spadina). For an appointment call Mindy Hsu, B.A., R.M.T. 416-944-1312.

PERSONAL COUNSELLING in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Dr. Ellen Greenberg, Registered Psychologist, 14 Prince Arthur, Bloor and Avenue Rd. 416-944-3799.

Dr. Gina Fisher, Registered Psychologist. Individual, couple, marital therapy. Depression, anxiety, loss, stress, work, family, relationship, self-esteem problems; sexual orientation and women's issues. U of T health benefits apply. 180 Bloor St. W., ste. 806, 416-961-8962.

Psychologist providing individual and couple therapy. Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, Registered Psychologist, 114 Maitland St. (Wesley & Jarvis), 416-972-1935, ext. 321.

Dr. Neil Pilkington (Psychologist). Assessment and individual, couples and group cognitive-behaviour therapy for: anxiety/phobias, depression/low self-esteem, stress and anger management, couples issues and sexual identity/orientation concerns. Staff/faculty healthcare benefits provide full coverage. Morning, afternoon and evening appointments. Downtown/TTC. 416-977-5666. E-mail: d.neil.pilkington@rogers.com

Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor).

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge/Bloor. Visit www.ekslife.ca; call 416-413-1098; e-mail for information package, eks@passport.ca

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland St. (Wesley and Jarvis), 416-570-2957.

Dr. Cindy Wahler, Registered Psychologist. Yonge/St. Clair area. Individual and couple psychotherapy. Depression, relationship difficulties, women's issues, health issues, self-esteem. U of T extended health plan covers psychological services. 416-961-0899. cwahler@sympatico.ca

Dr. Carol Musselman, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Covered by extended health plans. 455 Spadina (at College), #211, 416-568-1100 or cmusselman@oise.utoronto.ca; www.carolmusselman.com

Swedish massage, acupuncture, naturopathy, other alternative medicine services. Direct insurance billing available for U of T staff. 80 Bloor St. W., suite 1100. 416-929-6958. www.PacificWellness.ca

Psychoanalysis & psychoanalytic psychotherapy for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 1033 Bay St., ste. 204, tel: 416-962-6671.

Rosemary Hazelton Ph.D., Dipl., TCPP. Psychotherapy for adults, couples, children and adolescents. Relationship and self-esteem difficulties; symptoms of anxiety and depression; effects of abuse, trauma, separation and loss. Telephone 416-486-5528 (Yonge & Summerhill). rhazelton@rogers.com

Dr. Scott Bishop, Registered Psychologist. Offering psychotherapy and psychoanalysis. Anxiety, depression, trauma, addictions, work stress and burnout, loss/grief, recurrent interpersonal

problems, substance abuse, identity issues. U of T healthcare benefits apply. 250 St. Clair Ave. W., 416-929-2968 or scott.bishop@bellnet.ca

Psychotherapy for adults, children and couples with registered psychologist. Psychological consultation and assessment for personal, relationship, learning, postnatal and parenting concerns. U of T healthcare benefits apply. Dr. Vivienne Pasieka, 205 St. Clair @ Avenue Rd., 416-229-2437 or vpasieka@utoronto.ca

E-counselling and telephone counselling. Communicate confidentially via secure e-mail or by telephone with Paul Parnass, M.S.W., R.S.W. Relationship, work and personal stress, anxiety, depression, self-esteem, grief, men's issues. 905-771-1118, parnass@myecounselor.com, www.myecounselor.com

Commensal vegetarian restaurant. Delicious healthy meals. Pay by weight. Breakfast café open from 7 a.m. 655 Bay St., entrance on Elm St. 5-minute walk from Dundas subway. www.commensal.ca; 416-596-9364.

MISCELLANY

Dicta transcription. Digital, CD and cassette equipment available for focus groups, qualitative reports, one-on-one

interviews, etc. Reliable and professional services. In business since 1983. RCMP security clearance. Call Kathy, 416-431-7999 or e-mail kimmerly@rogers.com

EDITORIAL SERVICES. Professional proofreading/copy editing and related services. References include Environment Canada and The Hills magazine. Flexible timing. Reasonable rates. Contact Susan Robb at 416-789-9059 or rosus@zoic.com

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A classified ad costs \$20 for up to 35 words and \$50 for each additional word (maximum 70). Your phone number/e-mail address counts as two words.

A cheque or money order payable to University of Toronto must accompany your ad. Visa or Mastercard is acceptable. Ads must be submitted in writing, 10 days before The Bulletin publication date, to Maric Ignacio-Palanca, Strategic Communications Department, 21 King's College Circle, Toronto, Ontario M5S 3J3.

Ads will not be accepted over the phone. To receive a tearsheet and/or receipt please include a stamped self-addressed envelope. For more information please call (416) 978-2106 or e-mail maric.palanca@utoronto.ca.

MANYA


A Living History of Marie Curie

by Susan Marie Frontczak, Storysmith®

A one-woman theatrical performance exploring the life of Marie Curie, best known for the discovery of radium and radioactivity and winner of Nobel Prizes in Physics and Chemistry. Her story is a compelling journey from childhood political oppression to fame, and eventually tragedy mixed with greater worldwide prominence as a scientific leader.

Wednesday, April 11, 2007 • 7:30 p.m.
Isabel Bader Theatre, 93 Charles Street West
Free Admission • General Seating

Presented by the Department of Physics at the University of Toronto. For more information, visit www.physics.utoronto.ca or call 416-978-2933.



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LECTURES

Stage Time and Storage Space.

WEDNESDAY, MARCH 28
Prof. Alexander Leggatt, English; third of four Alexander lectures on Theatrical Tragedy, 1580-1642: Acting, Staging and Storytelling in the Plays of Shakespeare and His Contemporaries. 140 University College. 4:30 p.m.

The Pain System: Well Balanced but Still Vulnerable.

THURSDAY, MARCH 29
Prof. Christian Stohler, Baltimore College of Dental Surgery. Room 170, 124 Edward St. Noon. Dentistry.

Retelling the Story.

THURSDAY, MARCH 29
Prof. Alexander Leggatt, English; final Alexander lecture on Theatrical Tragedy, 1580-1642: Acting, Staging and Storytelling in the Plays of Shakespeare and His Contemporaries. 140 University College. 4:30 p.m. University College.

From Lester Bowles Pearson to Stephen Joseph Harper: The Ups and Downs of Canadian Foreign Policy.

THURSDAY, MARCH 29
Paul Henneberger, Centre for Global Relations, Governance & Policy, Wilfrid Laurier University; annual Keith Davey lecture. Isabel Bader Theatre, 93 Charles St. W. 4:30 p.m. Victoria University.

Canadian Cities.

FRIDAY, MARCH 30
Anne Golden, Conference Board of Canada; Innes College. Town Hall, 2:30 p.m. Innes College and Innes Urban Studies Program.

Between Kierkegaard and Kant: Dividing Faith and Reason.

FRIDAY, MARCH 30
Prof. Aaron Kulik, York University. Combination: Room, Trinity College. 7:30 to 10 p.m. Kierkegaard Circle.

Charles S. Peirce's Esthetic of the Sign.

SATURDAY, MARCH 31
Prof. Martin Lefebvre, Concordia University. 205 Northrop Frye Hall, Victoria University. 10 a.m. to noon. Toronto Semiotic Circle.

You Shouldn't Always Get What You Need: Health Care and Common Sense.

MONDAY, APRIL 2
Prof. Gopal Sreenivasan, philosophy; Ethics in a New World series. George Ignatieff Theatre, 15 Devonshire Place. 7:30 p.m. Trinity College.

Folded Spaces.

TUESDAY, APRIL 3
Prof. Brigitte Sham, architecture, landscape & design; Shum-Sutcliffe Architects. Room 103, 230 College St. 6:30 p.m. Architecture, Landscape & Design.

New Worlds: The Search for Planets Outside the Solar System.

TUESDAY, APRIL 3
Prof. Scott Tremaine, Princeton University; Raymond & Beverly Sackler visiting astrophysicist. 108 Koffler Institute for Pharmacy Management. 7:30 p.m. Canadian Institute for Theoretical Astrophysics.

Levantine: Genealogies of an Early Modern Category of Otherness.

WEDNESDAY, APRIL 4
Prof. Natalie Rothman, history, U of T Scarborough; Senior Common Room, Burwash Hall, Victoria University. 80 Charles St. W. 4 p.m. Reformation & Renaissance Studies and Toronto Renaissance & Studies Colloquium.

Business Ethics, Moral Motivation and White-Collar Crime.

MONDAY, APRIL 9
Prof. Joseph Heath, philosophy; Ethics in a New World series. George Ignatieff Theatre, 15 Devonshire Place. 7:30 p.m. Trinity College.

An Era of Decolonization: Solutions.

WEDNESDAY, APRIL 11
Prof. Dawn Martin-Hill, McMaster University. 213 Old Victoria College Building. 10:30 a.m. Tickets \$8; members free. Academy for Lifelong Learning.

Microbial Risk Assessment and Management in Food Systems.

WEDNESDAY, APRIL 11
Prof. Valerie Davidson, University of Guelph. 116 Wallberg Building. 12:30 p.m. Chemical Engineering & Applied Chemistry.

Race and the Standardization of America: How the State Remade America and Divided Americans.

WEDNESDAY, APRIL 11
Prof. Desmond King, University of Oxford. 108N Munk Centre for International Studies. 2 to 4 p.m. Study of the United States and Canada Research Chair in Immigration & Governance.

From Iron Age to Roman in Britain: A Regional Study.

WEDNESDAY, APRIL 11
Prof. Martin Millett, University of Cambridge. 001 Emmanuel College. 75 Queen's Park Cres. 6:15 p.m. Archaeological Institute of America, Toronto Society.

The King v. Picariello and Lassandro: A Graphic Novel.

WEDNESDAY, APRIL 11
Prof. Gisèle Amantea, Concordia University. Madden Hall, St. Michaels College. 100 St. Joseph St. 7:30 p.m. Frank Iacubucci Centre for Italian Canadian Studies.

COLLOQUIA

The STOP Study: Ethical Issues and Solutions.

THURSDAY, MARCH 29
Prof. Peter Selby, family and community medicine and nicotine dependence clinic, and Laurie Zawertulo, Centre for Addiction & Mental Health. Room 801, Clarke site, 250 College St. Noon. Addiction & Mental Health.

Family Memory, Historical Consciousness and Settler Colonialism in the Toronto Area.

WEDNESDAY, APRIL 4
Victoria Freeman, PhD candidate; history; history graduate-faculty series. 2098 Sidney Smith Hall. Noon to 1:30 p.m. History.

Telephone, Pollen, Measure: Conceptualizing Noise in the Early 20th Century.

WEDNESDAY, APRIL 4
Chen-Peng Yeang, IHFST. 323 Old Victoria College Building. 4 p.m. History & Philosophy of Science & Technology.

Actinides in Solution: Nuclear Waster, Strong Correlations and Emergence.

THURSDAY, APRIL 5
Prof. Brad Martin, Brown University. 102 McLennan Physical Laboratories. 4:10 p.m. Physics.



SEMINARS

Overacting, Brain and the Metabolic Syndrome.

WEDNESDAY, MARCH 28
Prof. Tony Lam, physiology and medicine. 968 Mt. Sinai Hospital. Noon. Samuiri Lunfeld Research Institute.

Heritage Preservation: An Effective Green Strategy for Cities.

WEDNESDAY, MARCH 28
Margaret Zeidler, president, UrbanSpace Property Group. 1200 Baken Centre for Information Technology. 4 p.m. Environment.

An Aboriginal Perspective on the Social Economy.

WEDNESDAY, MARCH 28
Alce Carbone and Jose Reyes, Algona University College, and Rosalind Johnston, NORDIK Institute. 12-199 OISEAU, 252 Bloor St. W. Noon to 1:30 p.m. Social Economy Centre, OISEAU.

Pesticides and Health in Ecuador.

THURSDAY, MARCH 29
Prof. Donald Cole, public health sciences. 108 Health Sciences Building. 4 p.m. Environment.

Regulation of Growth and PCP by the Cell Adhesion Molecule Fat.

FRIDAY, MARCH 30
Prof. Helen McNell, medical genetics and microbiology. B142 Earth Sciences Centre. Noon. Cell & Systems Biology.

Diversification of C4 Photosynthesis in the Eudicots: Anatomical, Biochemical and Physiological Perspectives.

FRIDAY, MARCH 30
Riyadh Mubashir, PhD thesis evolution, ecology and evolutionary biology. B142 Earth Sciences Centre. 3 p.m. Plant & Microbial Biology Program.

Containment: Rebuilding a Strategy Against Global Terror.

FRIDAY, MARCH 30
Prof. Ian Shapiro, Yale University; commentators: David Dyer-Jensen and David Welch. U of T. George Ignatieff Theatre, 15 Devonshire Place. 3 to 5 p.m. Ethics.

IN MEMORIAM

The Soldiers' Tower Committee of the

University of Toronto Alumni Association

remembers those from U of T who made the ultimate sacrifice at the

Battle of Vimy Ridge

April 9 - 12, 1917 during The Great War

Visit the Memorial Room in the Soldiers' Tower, 1-3 p.m. from April 9 - 12, 2007.

Carillon concerts April 9, 11 a.m. - 12 noon & 1:30 - 2:30 p.m.



ALBERT EDWARD BRIGHT March 9, 1891 - April 9, 1917
University College 1913-16, Knox College, Canadian Officers Training Corps

WILLIAM GEORGE BUTSON July 24, 1892 - April 9, 1917
Education 1912-13

WALTER HENRY COOPER April 12, 1917
Trinity College School, Trinity Medical College 1886-7

ARTHUR RAMSAY CREIGHTON August 21, 1894 - April 12, 1917
University College 1910-11, Law student

WILLIAM HENDERSON GREGORY March 4, 1890 - April 9, 1917
University College 1908-11, 1912-13, B.A., Wycliffe College, Anglican Ministry

REGINALD HEBER MANNING JOHLIFFE Nov. 24, 1893 - April 9, 1917
Victoria College 1913-14, Canadian Officers Training Corps

ERNEST REECE KAPPEL June 25, 1893 - April 9, 1917
University College 1910-12, Law School

SIDNEY JAMES LUCK May 9, 1889 - April 9, 1917
Victoria College 1915-16

GEORGE GEOFFREY MAY September 25, 1893 - April 9, 1917
University College 1911-15, B.A. (Pol. Sc.), Canadian Officers Training Corps

NORMAN HOWARD PAWLEY December 18, 1888 - April 12, 1917
Ontario Agricultural College U of T 1909-11, 1913-15, B.S.A.

REGINALD DAVID TURNBULL January 23, 1890 - April 9, 1917
University College 1909-13, B.A. (Phil.), Knox College, preparing for Presbyterian Ministry

THOMAS NEWELL VICKERS April 19, 1890 - April 9, 1917
Applied Science 1908-11, Diploma (Civ. Eng. Hon.)

For more information email: soldiers.tower@utoronto.ca, tel: 416-978-0147 or visit our web sites: www.alumni.utoronto.ca/groups/tower.asp and www.utoronto.ca/carillon

Biographies in the 17th Century.

FRIDAY, MARCH 30
Michael Ulyett, CHRS, 205 Northrop
Fry Hall, 3:30 to 5 p.m. *Reformation & Renaissance Studies*

Local Elites and Government Intervention in the 16th-Century Province of Anadolu.

MONDAY, APRIL 2
Prof. Suraya Farooqi, University of
Munich, 200B Bancroft Hall, 4 Bancroft
Ave. 10 a.m. to noon. *Near & Middle
Eastern Civilizations*

Technology and the Artistic Disabled Child.

WEDNESDAY, APRIL 4
Coralee McLaren, doctoral fellow, nursing,
Prof. Sue Riddick, geography, discus-
sion, 610 Health Sciences Building,
3 to 5 p.m. *Health Care, Technology & Place*

MEETINGS & CONFERENCES**St. Augustine's Confessions.**

**FRIDAY, MARCH 30 AND
SATURDAY, APRIL 1**
The Augustine Confessions conference
provides an excellent opportunity to
contemplate and re-evaluate the
Confessions in light of major contem-
porary scholarship. The conference will
bring together established scholars with
recently published works on the
Confessions and will consist of lectures
throughout both days, with each lecture
followed by a response and/or question
period. University of St. Michael's College.
Registration fee: \$80, seniors \$50,
students \$30. Registration and program
details: www.utoronto.ca/stmikes/
mass-conference. McDevitt Studies
Undergraduate Society.

Senior Scholars' Symposium.

THURSDAY, MARCH 29
Features the research of members of
the Retired Academics & Librarians of the
University of Toronto (RALUT) who are
actively continuing scholarship. Upper
Library, Massey College, 10 a.m. to
3 p.m. Tickets \$15 (includes lunch and
wine and cheese reception). RALUT

Governing Council.

THURSDAY, MARCH 29
Council Chamber, Simcoe Hall, 4:30 p.m.

Academic Board.

THURSDAY, APRIL 5
Council Chamber, Simcoe Hall, 4:10 p.m.

Business Board.

WEDNESDAY, APRIL 11
Council Chamber, Simcoe Hall, 5 p.m.

MUSIC**FACULTY OF MUSIC
EDWARD JOHNSON
BUILDING****Thursdays at Noon.**

THURSDAY, MARCH 29
Rudolph Trio: John Rudolph, percus-
sion; Kathleen Rudolph, flute; Theresa
Rudolph, viola. Walter Hall, 12:10 p.m.

THURSDAY, APRIL 5
Shama Rolston, cello; Lydia Wong,
piano. Walter Hall, 12:10 p.m.

Jazz.

THURSDAY, MARCH 29
Vocal Jazz Ensemble; Lisa Martinelli,
director. Walter Hall, 7:30 p.m.

WEDNESDAY, APRIL 11
10 O'Clock and 11 O'Clock Jazz
Orchestras. MacMillan Theatre, 7:30 p.m.
Tickets \$14, students and seniors \$8.

U of T Symphony Orchestra.

FRIDAY, MARCH 30
With MacMillan Singers, Women's
Chorus and Master Choral; Agnes
Grossmann, guest conductor. MacMillan
Theatre, 7:30 p.m. Tickets \$18, students
and seniors \$10.

Symphonic Winds.

SATURDAY, MARCH 31
Jeffrey Reynolds, conductor, 7:30 p.m.
Tickets \$14, students and seniors \$8.

World of Music.

SUNDAY, APRIL 1
Percussion Ensemble; Robin Engelman,
director. Walter Hall, 7:30 p.m.

TUESDAY, APRIL 3
Student composers concert. Walter Hall,
7:30 p.m.

MONDAY, APRIL 9
World music ensembles: African drum-
ming and dancing, Balinese gamelan,
Japanese taiko drumming, lozenzer, steel
pan. MacMillan Theatre, 7:30 p.m.

Chamber Music Series.

MONDAY, APRIL 2
Gornall Brass Quintet. Walter Hall,
7:30 p.m. Tickets \$22, students and
seniors \$12.

PLAYS & READINGS**Hart House Reading Series.**

TUESDAY, APRIL 3
Kim Barry Brubaker reads from his
first novel *Kameleon Man* and George
Elliott Clarke debuts his latest release
Tradition, Long March, Shining Path.
Library, Hart House, 7 p.m.

**U of T Bookstore
Reading Series.**

WEDNESDAY, APRIL 4
Tom Harper reads from *Water Into Wine*:
An Empowering Vision of the Gospels.
Great Hall, Hart House, 7 p.m.

**EXHIBITIONS**

**THOMAS FISHER RARE
BOOK LIBRARY**
*Hopeful Travellers: Italian
Explorers, Missionaries,
Merchants and Adventurers
From the Middle Ages
to Modern Times.*

TO APRIL 27
Books and maps related to Italian
explorers and exploration; curated by
Robin Healey. Hours: Monday to Friday,
9 a.m. to 5 p.m.

MISCELLANY**U of T Festival of Dance.**

**THURSDAY, MARCH 28 TO
SATURDAY, MARCH 31**
The U of T Festival of Dance is the
largest university dance festival in
Canada. Over 200 dancers now perform
each year at this annual celebration
among U of T's dance community;
presented by Hart House Theatre and
U of T Dance Coalition. Hart House
Theatre. Performances at 7:30 p.m.
Tickets \$12, students and seniors \$10.

**Canan agas Oran: Scottish Gaelic
Language & Song Workshops.**

SATURDAY, MARCH 31
A day of language classes and a song work-
shop. Classes are offered at the beginner,
intermediate and advanced levels. Guest
teachers are Scotland's renowned Gaelic
singer Catherine-Ann MacPhee; Rob
Dunbar of Celtic studies, Aberdeen
University; and Oghing Keough, a native
Gaelic speaker and longtime Gaelic edu-
cator. Co-occurrent with the song workshop,
Rob Dunbar will give a lecture-workshop.
Alumni Hall, St. Michael's College, 121 St.
Joseph St. 9 a.m. to 4 p.m. Tickets \$40,
non-U of T students \$20, U of T students
and native speakers, free.

DEADLINES

Please note that information for the Events
listing must be received at The Bulletin
offices, 21 King's College Circle, by the
following times:

Issue of April 10 for events taking place
April 10 to 24 **TUESDAY, MARCH 27**

Issue of April 24 for events taking place
April 24 to May 8 **TUESDAY, APRIL 10**

For information regarding the Events
section please contact Ailsa Ferguson at
416-978-6981; ailsa.ferguson@utoronto.ca

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**Advances in Lung
Cancer Treatment**

Join us for an evening discussion on Lung Cancer
WEDNESDAY, APRIL 18, 2007 6:30 – 8:30 P.M.

- Are You at Risk for Lung Cancer?
- Dr. Susanna Cheng, Medical Oncologist
- Innovations in Medical Therapy
- Dr. Sunil Verma, Medical Oncologist
- New Horizons in Radiation Therapy for Lung Cancer - Dr. Yee Ung, Radiation Oncologist

Moderator: Dr. Linda Rabeneck, Program Chief,
Toronto Sunnybrook Regional Cancer Centre

Please RSVP your attendance by April 17, 2007
Phone: 416.480.4117 e-mail:
speaker.series@sunnybrook.ca

Free Admission Free Parking, Garage One

Wednesday, April 18, 2007 6:30 – 8:30 p.m.
McLaughlin Auditorium, Sunnybrook Campus
E Wing Ground Floor, 2075 Bayview Avenue

Sunnybrook
HEALTH SCIENCES CENTRE

COMMITTEES**ADVISORY****ASSISTANT VICE-PROVOST
(STUDENT LIFE)**

An advisory committee has been estab-
lished to recommend the appointment of
an assistant vice-president (student
life). At the Feb. 1 meeting of the
Governing Council, a new assistant
vice-presidential position of assistant
vice-president (student life) was
approved within the vice-president and
provost portfolio. Members are:
Professors David Farrar, deputy provost
and vice-provost (students) (co-chair);
Angela Hildyard, president (human
resources and equity) (co-chair);
Gage Averill, dean, Faculty of
Music; Tony Chambers, associate vice-
provost (students); Paul Gooch, presi-
dent, Victoria University; Bruce Kidd,
dean, Faculty of Physical Education &
Health; Ian Orchard, vice-president and
principal, U of T Mississauga; and Janet
Patterson, principal, New College; and
Marie Milderbaum, undergraduate
student, Cheryl Shogor, registrar,
Woodsworth College; Mahadeo Sukhai,
graduate student; and Karel Swift,
university registrar.

Following a request for proposals, the
Faculty of Province Consulting has been
engaged to assist in recruitment efforts.

The committee welcomes comments and
nominations from interested persons.
These should be sent to the attention of
Libby Dyblowski at 604-913-7768 or
search@provinciconsulting.com.

**DIRECTOR, CINEMA STUDIES
INSTITUTE**

A search committee has been established
in the Faculty of Arts & Science to
recommend a director for the newly
founded Cinema Studies Institute.
Members are: Professors David
Klauser, vice-dean (interdisciplinary
affairs) (chair); Veronica Ambrose, Slavic
languages and literatures; Eric Cardyn,
East Asian studies; Janet Patterson,
principal, Innes College; Nicholas
Sammond, cinema studies program;
and Stefan Soldovieri, graduate pro-
gram in German literature, culture
and theory; and Wilson Cameron,
undergraduate student, and Natalie
Harrover, graduate student, Deborah
Olab, administrative staff, Cinema
Studies Institute; and Ida Ferrinho,
assistant to the vice-dean
(interdisciplinary affairs) (secretary).

The committee would appreciate
receiving nominations and/or com-
ments from interested members of the
university community. These should be
submitted to Professor David Klauser,

vice-dean (interdisciplinary affairs),
Room 2005, Sidney Smith Hall

SEARCH**CHAIR, DEPARTMENT OF
STATISTICS**

A search committee has been established
in the Faculty of Arts & Science to rec-
ommend a chair of the Department of
Statistics. Members are: Professors
Pekka Siivonen, dean, Faculty of Arts &
Science (chair); Marie Gentile, vice-dean
(graduate education and research);
Faculty of Arts & Science; Brett Smith,
vice-dean (students); School of
Graduate Studies; Nancy Reid, Alison
Gibbs and Sebastian Jäntmäki, statistics;
Paul Corey, public health sciences;
Michael Evans, statistics, UTSC; and
Jerry Brunner, mathematical computa-
tional sciences, UTM; and Zi Jin,
graduate student, and Yu Wang, under-
graduate student, statistics; Laura Kerr,
administrative staff, statistics; and Vera
McNelly, office of the dean (secretary).

The committee would appreciate
receiving nominations and/or com-
ments from interested members of the
university community. These should be
submitted to Professor Pekka Siivonen,
Room 2005, Sidney Smith Hall.

A NEW COURSE FOR NURSING

Building global
capacity in
nursing and
health care

By SIOBAN NELSON

THE CONTEXT: A SERIOUS SHORTAGE OF NURSES IN all areas of practice; rising fear of infectious disease and pandemics; new innovations in science and practice that call for new roles for nurses and new educational models. The vision: a growing sense of ourselves as global citizens and a commitment to contribute to capacity building with our colleagues internationally to improve health care around the world. We could be talking about 2007 but in fact this was the background to the establishment of a nursing program at the University of Toronto in 1920.

Only one year after the devastating Spanish Influenza pandemic that killed an estimated two to five per cent of the world's population, concern for public health ran high. Rebuilding the population following world war and epidemic marked the 1920s as an era dominated by nationalist policies and marred by anxieties over the high rates of sexually transmitted disease among returned soldiers.

The modern plan to transform the health of nations rested on the scientific triumvirate of inspection and training in hygiene, oversight and management of mothers and infants and control of infectious disease. To achieve these ends, the Rockefeller Foundation (the early 20th century equivalent of the Bill and Melinda Gates Foundation) made a policy commitment to support nursing programs that emphasized public health and social service aspects of nursing in their curricula. Spending more than \$8 million between 1917 and 1951 on 48 schools in 28 countries, the foundation aimed to completely transform nursing from a hospital-based apprenticeship and workforce to a vehicle for health policy initiatives across the world.

It was through the largesse of the Rockefeller Foundation that in 1920 the Department of Public Nursing came into existence at the University of Toronto. Toronto ranked as the Rockefeller's best endowed school outside of the U.S. Over the course of the next two decades, \$661,000 in funds flowed from the foundation to the department, as it first became a school and finally a faculty.

The Rockefeller vision of preparing women for leadership roles in health care resonated deeply with Canadian E. Kathleen Russell, the school's first director. Commonly described as forceful, intelligent and imposing (read terrifying!), Miss Russell's radical goals for nursing education were to remove the primacy of workforce demands over educational requirements that had long dominated nursing education and to ensure that nurses received an education commensurate with other professions. She achieved these ends by establishing the first school in the country fully independent of a hospital nursing program (1933) and the first such BScN (1942).

The Rockefeller Foundation responded enthusiastically, describing Miss Russell as "perhaps the most outstanding nurse educator in the world." Its international health division, established in 1929, went on to sponsor the most extensive capacity building initiative in nursing history, funding 476 nursing fellows from about 60 countries to undertake further training in public health and nursing leadership. Of this number, a remarkable 187 came to Toronto, making this school over twice as popular a destination for Rockefeller trainees as the next in line, Columbia University.

The net effect of this hothouse of public health, nursing education and policy leadership is difficult to gauge. But we do know there was such a thing as the Toronto Model of



nursing education, which was hotly debated in Brazil in the 1950s. We also know that in one impact study the infant mortality rate of a region of Denmark was halved by a public health nursing intervention in the 1930s and U of T prepared 11 Danish nurses during that period, nurses who went home to take a leadership role in nursing education and public health.

Nursing's long journey from the Department of Public Health Science to today as the newly badged Lawrence Bloomberg Faculty of Nursing, has been marked by remarkable consistency of purpose — to make an impact on the profession and on practice. As in 1920, the contemporary landscape is dominated by dire predictions of workforce shortages, rising rates of infectious disease and a growing dread of pandemic, coupled with advances in science that call for innovation in practice models and education.

In 2007, the faculty's research-led contribution to practice, with its seven research chairs, second-entry baccalaureate, 300-strong master's program and more than 70 doctoral students may appear a long way from the intimidating ladies whose portraits adorn the faculty walls, but the vision of leadership, professional collaboration and an international mandate to make a difference to health care remains.

Under the Transformation Agenda, made possible by the generosity of Toronto philanthropist and financier Lawrence Bloomberg, the faculty is launching two key international outreach programs: the first introduces a second generation of international fellowships — this time the focus is on research. Over the next 10 years, 20 senior and emerging researchers from around the world will come to the faculty as post-doctoral or professional fellows. These key individuals will partner with us to build research, clinical innovation and capacity for Canadian and global health care.

The second program focuses on clinical capacity building. The global migration of health professionals has been the object of much controversy and debate among first world countries, now increasingly dependent on overseas trained health professionals. Research tells us that one of the key reasons nurses migrate (push factor) is because they lack the opportunity to advance themselves, not just financially but through career opportunities. Here the faculty has an important role to play in supporting the continuing education opportunities of nurses in partner countries. In collaboration with our academic health science and community partners, the faculty is working with health providers in India, Ethiopia and countries in South America to support clinical role development and continuing education and to develop educational resources to create appropriate service models that will enable nurses to both improve patient care and to develop more rewarding careers in health care in their home countries.

There's a strong "back to the future" feeling to this new era of international engagement for the faculty and one has a sense that the pioneers of global solutions to nursing and health care from the 1920s would find themselves very much at home. Throughout our history, Canadian nurses have been major contributors as international citizens. The Lawrence Bloomberg Faculty of Nursing is determined that this is a tradition that its future alumni will proudly follow.

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